

Fishery Data Series No. 14-30

**Fall Season Cooperative Salmon Drift Gillnet Test
Fishing in the Lower Yukon River, 2012**

by

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and

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July 2014

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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| Weights and measures (metric) | | General | | Mathematics, statistics | |
|--------------------------------------|-----|--------------------------|-------------------------------|-------------------------------------------------------------------|-------------------------|
| centimeter | cm | Alaska Administrative | AAC | <i>all standard mathematical signs, symbols and abbreviations</i> | |
| deciliter | dL | Code | | alternate hypothesis | H _A |
| gram | g | all commonly accepted | e.g., Mr., Mrs., AM, PM, etc. | base of natural logarithm | e |
| hectare | ha | abbreviations | | catch per unit effort | CPUE |
| kilogram | kg | | | coefficient of variation | CV |
| kilometer | km | all commonly accepted | e.g., Dr., Ph.D., R.N., etc. | common test statistics | (F, t, χ^2 , etc.) |
| liter | L | professional titles | | confidence interval | CI |
| meter | m | | @ | correlation coefficient | R |
| milliliter | mL | at | | (multiple) | |
| millimeter | mm | compass directions: | | correlation coefficient | |
| | | east | E | (simple) | r |
| | | north | N | covariance | cov |
| | | south | S | degree (angular) | ° |
| | | west | W | degrees of freedom | df |
| | | copyright | © | expected value | E |
| | | corporate suffixes: | | greater than | > |
| | | Company | Co. | greater than or equal to | ≥ |
| | | Corporation | Corp. | harvest per unit effort | HPUE |
| | | Incorporated | Inc. | less than | < |
| | | Limited | Ltd. | less than or equal to | ≤ |
| | | District of Columbia | D.C. | logarithm (natural) | ln |
| | | et alii (and others) | et al. | logarithm (base 10) | log |
| | | et cetera (and so forth) | etc. | logarithm (specify base) | log ₂ , etc. |
| | | exempli gratia | | minute (angular) | ' |
| | | (for example) | e.g. | not significant | NS |
| | | Federal Information | | null hypothesis | H ₀ |
| | | Code | FIC | percent | % |
| | | id est (that is) | i.e. | probability | P |
| | | latitude or longitude | lat or long | probability of a type I error | |
| | | monetary symbols | | (rejection of the null hypothesis when true) | α |
| | | (U.S.) | \$, ¢ | probability of a type II error | |
| | | months (tables and | | (acceptance of the null hypothesis when false) | β |
| | | figures): first three | | second (angular) | " |
| | | letters | Jan,...,Dec | standard deviation | SD |
| | | | | standard error | SE |
| | | registered trademark | ® | variance | |
| | AC | trademark | ™ | population | Var |
| | A | United States | | sample | var |
| | cal | (adjective) | U.S. | | |
| | DC | United States of | USA | | |
| | Hz | America (noun) | United States | | |
| | hp | U.S.C. | Code | | |
| | pH | U.S. state | use two-letter | | |
| | | | abbreviations | | |
| | | | (e.g., AK, WA) | | |
| volts | V | | | | |
| watts | W | | | | |

FISHERY DATA SERIES NO. 14-30

**FALL SEASON COOPERATIVE SALMON DRIFT GILLNET TEST
FISHING IN THE LOWER YUKON RIVER, 2012**

by

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ABSTRACT

The fall season Lower Yukon drift gillnet test fishery project is operated by the Alaska Department of Fish and Game in cooperation with Yukon Delta Fisheries Development Association, and it is designed to provide an index of run timing and relative abundance of fall chum salmon *Oncorhynchus keta* and coho salmon *O. kisutch* returning to the Yukon River drainage. Drift gillnets were operated from 16 July through 28 August 2012 in the lower Yukon River near the village of Emmonak, Alaska. Catch per unit effort (CPUE) and age, sex, and length composition were collected from drift gillnet catches from the Big Eddy and Middle Mouth test fishery sites operated in the lower river. The test fishery recorded a cumulative CPUE of 1,866 for fall chum salmon with the midpoint of the run occurring on 4 August. Fall chum salmon were predominantly age-0.3 fish; this age class made up 77 % ($n = 922$) of the unweighted age sample ($n = 1,195$). The cumulative CPUE for coho salmon was 265 with the midpoint occurring on 17 August. Age-2.1 coho salmon were the most abundant, making up 62% ($n = 244$) of the unweighted age sample ($n = 394$). In 2012, the fall season Lower Yukon drift gillnet test fishery project provided critical information that was used to make inseason management decisions regarding prosecution of commercial and subsistence fisheries for fall chum and coho salmon.

Key words Yukon River, Pacific salmon, *Oncorhynchus* spp., chum salmon, *O. keta*, coho salmon, *O. kisutch*, gillnet test fishery, assessment, catch per unit effort, CPUE.

INTRODUCTION

The Yukon River is the largest river in Alaska, draining an area of approximately 330,000 square miles of both Canada and Alaska (Figure 1). The river flows northwesterly from its headwaters in British Columbia through Yukon Territory and Interior Alaska before reaching the Bering Sea. Subsistence, commercial, personal use, and sport fisheries harvest salmon within the drainage. Management of these fisheries is complex because of the number, diversity, and geographic range of fish stocks and user groups. Several abundance and run timing assessment projects operate throughout the drainage and provide information at critical junctions in the salmon migration.

The Lower Yukon fall drift gillnet test fish (LYTF) program has operated in the lower portion of the Yukon River (Figure 2) since 2001 (Estensen and Padilla 2013; Clark and Hayes 2002). The drift gillnet test fishery operates annually from 16 July through 28 August of each year. The Yukon Delta Fisheries Development Association (YDFDA) extended test fish operations since 2010 into September and operated through 20 September in 2012.

The test fishery provides run timing and an index of relative abundance of fall chum salmon *Oncorhynchus keta* and coho salmon *O. kisutch* returning to the Yukon River drainage. Catch per unit of effort (CPUE) is the index used to determine relative abundance for fall chum and coho salmon. Information collected from the project provides an indication of when fall chum and coho salmon transit the individual North/Middle and South mouths of the Yukon River Delta. This information, in conjunction with data provided by other projects, especially the daily passage estimates based on the sonar operated at Pilot Station, is used inseason to assess fall chum and coho salmon abundance and monitor their passage through the lower Yukon River. This information guides management decisions relating to escapement, treaty objectives, and prosecution of fisheries.

OBJECTIVES

The project objectives for the 2012 fall season were as follows:

- 1) Estimate daily CPUE and run timing of fall chum and coho salmon as they enter the mouths of the Yukon River;

- 2) Estimate the age, sex, and length (ASL) composition of fall chum and coho salmon so the 90% confidence interval bounds are no wider than \pm 5% of the estimated mean, for use in brood year assessment and run forecasting;
- 3) Collect daily climatic and hydrological measurements representative of the study area;
- 4) Build partnerships and capacity through involvement of local technicians and communities in project operation and information sharing.

METHODS

STUDY AREA

The Lower Yukon fall drift gillnet test fish program is operated near the south and middle mouths of Yukon River (Figures 1 and 2). The closest community is Emmonak, which is located approximately 39 river km (24 river miles) from the south mouth. The test fishery is approximately 159 river km (99 river miles) downstream from the mainstem sonar operated near Pilot Station (lat $61^{\circ} 57' 1''$ N, long $162^{\circ} 51' 37''$ W). Test fishing at this location allows the assessment of fall chum and coho salmon entering Yukon River.

Two separate drift gillnet sites each were used in Middle Mouth and South Mouth (Big Eddy) of the Yukon River. The Big Eddy test fishery station (Big Eddy), located in the main channel of Kwikluak Pass of the Yukon River, upstream and southeast of the village of Emmonak (Figure 2), is used to assess salmon transiting the South Mouth of the Yukon River. Site 1 at Big Eddy (lat $62^{\circ} 44' 34.32''$ N, long $164^{\circ} 25' 31.26''$ W) is located approximately 0.8 km (0.5 mi) offshore toward the right bank and situated along the south side of a long sandbar (Figure 3). The 2012 Site 1 was the experimental Site 3 in 2009 (Padilla and Borba 2011). The starting point of Site 2 (lat $62^{\circ} 44' 47.52''$ N, long $164^{\circ} 27' 45.00''$ W) is located along the left bank, approximately 1.9 km (1.2 mi) downstream, and southwest from the starting point of Site 1.

The Middle Mouth test fishery station (Middle Mouth), located upstream from Kawanak and Apoon Pass (Figure 2), is used to assess the passage of salmon transiting the Middle and North mouths of the Yukon River. Two drift gillnet sites are located in Kwikpak Pass, approximately 7–12 km (4.5–7.5 mi) upstream of the ADF&G Middle Mouth field camp (lat $62^{\circ} 53' 52.44''$ N, long $164^{\circ} 5' 49.00''$ W). The Site 1 drift gillnet starting point is along the left bank of the river (lat $62^{\circ} 47' 47.70''$ N, long $164^{\circ} 04' 10.02''$ W), and Site 2 is located along the right bank (lat $62^{\circ} 50' 14.70''$ N, long $164^{\circ} 06' 50.94''$ W), approximately 5.0 km (3.1 mi) downstream from the starting point of Site 1 (Figure 4).

DRIFT GILLNET TEST FISHING

In 2012, both test fishery stations began operations on 16 July and operated through 28 August using ADF&G personnel. Beginning 29 August, personnel from YDFDA assumed LYTF operations and ran the Big Eddy and Middle Mouth sites through 20 September (Appendix A). Data for the extended operation is included in this report for completeness; however, this report will primarily discuss data through 28 August.

Fishing methods were similar at both the Big Eddy and Middle Mouth stations. Gillnets were constructed of 6.0 in (15.2 cm) mesh, 35 meshes in depth, and 50 fathoms (91.4 m) in length with a cork marking at 25 fathoms (45.7 m).

Drifts were conducted daily at 0800 hours and 2000 hours regardless of tidal stage at 2 sites, Site 1 and Site 2. Typically, Site 1 is fished before Site 2 at each fishing period and each location. Schedules were occasionally adjusted or cancelled to avoid test fishing during commercial periods or hazardous weather. Site 2 occasionally fished first based on the prevailing winds providing some safety if afforded in the lee. One drift per site per period was attempted. Under normal operation, gillnets were retrieved after 20 minutes of fishing time. During times of high salmon abundance, inclement weather, or excessive debris, the gillnet was shortened to the 25-fathom (45.7 m) midpoint, indicated by a cork mark, to improve fishing efficiency and to avoid net saturation. Also, in times of high salmon abundance, drift time was reduced to avoid saturating the net with fish; in these circumstances, gillnets were retrieved after an estimated 30 fish had been captured for ASL sampling. Salmon catches and drift times were recorded in field notebooks for each site. Both sites' salmon catches were combined into a fish tote or on the boat deck. The calculation of CPUE compensates for times and lengths of gillnets that were fished.

CPUE CALCULATIONS

The deployment, fishing, and retrieval times of the drift gillnets were recorded for each sampling event. CPUE was calculated using fish per 100 fathom-hours:

$$\text{CPUE} = [((100 \text{ fathom} * 60 \text{ minutes}) * (y)) / (L * T)]$$

where:

y = number of fish caught,

L = length of net in fathoms, and

T = the minutes the net fished.

The time the net fished was calculated using:

$$T = [(\text{set time} + \text{retrieval time})/2] + \text{soak time}.$$

Variation in gillnet fishing time required an independent CPUE calculation for each drift. All CPUE calculations from the same day were summed and then averaged to obtain a CPUE for the day:

$$\text{Daily CPUE} = ((\sum \text{CPUE})/n),$$

where:

n = number of sets for the given day (including both sites).

Mean daily CPUE data were summed to produce cumulative seasonal CPUE indices for the period of data collection (Molyneaux 1999). Cumulative proportions of seasonal total test fishery CPUE indices were also calculated and used to estimate the quarterpoint and midpoint of the fall chum and coho salmon runs. Timing of fall chum and coho salmon is used for interannual comparisons.

AGE, SEX, AND LENGTH SAMPLING

ASL data were collected from retained fall chum and coho salmon. A maximum of 30 fall chum and 30 coho salmon were sampled daily at the Big Eddy and Middle Mouth stations independently. Samples were not specifically separated by drift site. If fewer than 30 fish of the target species were collected during morning drifts, depending on drift catches, the remaining

fish were collected during the evening drifts. For fall chum salmon pulses, or periods of high abundance, up to 15 additional fall chum salmon were collected and sampled for ASL. All salmon lengths were measured to the nearest millimeter from mideye to tail fork using calipers. The sex of each salmon was verified by visual examination of the gonads through a small ventral incision. Age was determined by examining scales (Mosher 1968). Scales were collected from the left side of the fish approximately 2 rows above the lateral line in an area crossed by a diagonal from the posterior insertion of the dorsal fin to the anterior insertion of the anal fin (INPFC 1963). One scale per fish was collected from chum salmon. Because of the high rate of scale regeneration among coho salmon, 3 scales were collected from each fish. Scales were mounted on gummed cards and impressions were made in cellulose acetate (Clutter and Whitesel 1956). European notation (Koo 1962) was used to record ages; numerals preceding the decimal refer to the number of freshwater annuli, and numerals following the decimal refer to the number of marine annuli. Total age from time of egg deposition, or brood year, is the sum of these 2 numbers plus 1 to account for incubation time.

CLIMATIC AND HYDROLOGICAL OBSERVATIONS

Climate and hydrological data were collected daily at approximately 0800 and 2000 hours at both Big Eddy and Middle Mouth stations (Appendix B). Air and water temperatures were measured using a handheld thermometer and HOBO U22¹ water temperature data loggers that were suspended approximately 30 cm (12 in) below the surface from docks located 10 m (33 ft) offshore. The data loggers were preset to record temperature every hour of each day. Daily observations of wind speed and direction, cloud cover, and precipitation were also recorded. Water levels are affected by tides; therefore water stages are not collected at this project. Depth measurements were made once per week at each drift gillnet site throughout the season to construct bottom profiles. Depth readings were taken with a HawkEye Handheld Sonar device and recorded at the nearshore buoy, mid-net, and offshore buoy while setting the net. Additional depth readings were recorded halfway through the drift and while the net was being retrieved.

PARTNERSHIP AND CAPACITY BUILDING

The YDFDA, in partnership with ADF&G, have trained 6 local technicians to help with test fishery operations since 2004. In 2012, the Middle Mouth test fishery crew consisted of 1 trained YDFDA technician and 1 ADF&G technician. The Big Eddy crew consisted of 2 rotating YDFDA technicians and 1 ADF&G technician.

Information sharing is an important part of building a reciprocating capacity and partnership. Local YDFDA technicians shared their knowledge of river navigation. Local subsistence fishermen provided catch information, which aided in verifying test fishing catches. The cooperative LYTF project contributed salmon catch, CPUE, and timing data to the local and general public along the entire Yukon River drainage. In addition, salmon retained in the test fishery were donated to local families (Appendix C).

¹ Product names used in this report are included for scientific completeness but do not constitute a product endorsement.

RESULTS

FALL CHUM SALMON

In 2012, a total of 1,701 fall chum salmon were caught from Big Eddy and Middle Mouth stations combined, resulting in a cumulative CPUE of approximately 1,866 through 28 August (Table 1). The midpoint of the fall chum salmon run at these locations combined occurred on 4 August (Table 1). Daily CPUE for fall chum salmon were mostly above the 2001–2011 historical median (Figure 5). The cumulative CPUE for fall chum salmon in 2012 was above the historical median of 1,150 fish (Figure 6; Appendix D1).

At Big Eddy (Sites 1 and 2 combined), 917 fall chum salmon were captured, resulting in a cumulative CPUE of approximately 2,177 (Table 1). The midpoint of the fall chum salmon run at Big Eddy was 31 July. Morning drifts at Big Eddy produced 77% and 69% of the fall chum salmon at Sites 1 and 2 respectively (Appendix C1).

At Middle Mouth (Sites 1 and 2 combined), 784 fall chum salmon were captured (Table 1), resulting in a cumulative CPUE of approximately 1,555 (Table 1). The midpoint of the fall chum salmon run at Middle Mouth was 5 August. Morning drifts at Middle Mouth produced 53% and 63% of the fall chum salmon at Sites 1 and 2 respectively (Appendix C2).

A total of 1,195 fall chum salmon were sampled from both stations combined for ASL determination. Females composed an unweighted 55.6% ($n = 665$) of the fish sampled at both sites. Age-0.3 was the dominant age class, making up 77.2 % of the fish aged, while age-0.2, -0.4, and -0.5 fish represented 1.1%, 18.8%, and 2.9% of the unweighted age sample, respectively. Mean lengths for females were 589 mm for age-0.2 ($n = 5$), 569 mm for age-0.3 ($n = 501$), 584 mm for age-0.4 ($n = 145$), and 570 mm for age-0.5 ($n = 14$). Mean lengths for males were 558 mm for age-0.2 ($n = 8$), 575 mm for age-0.3 ($n = 421$), 596 mm for age-0.4 ($n = 80$), and 603 mm for age-0.5 ($n = 21$) (Table 2).

COHO SALMON

Through 28 August, a total of 265 coho salmon were caught from Big Eddy and Middle Mouth stations combined, resulting in a cumulative CPUE of approximately 265 fish. The midpoint of the coho salmon run occurred on 17 August (Table 3). Daily CPUE were mostly below historical medians throughout the season except during the 2 pulses of coho salmon occurring around 17 August and 20 August (Figure 7). The cumulative CPUE for coho salmon in 2012 was below the historical median (Figure 8; Appendix D4).

A total of 113 coho salmon were captured at Big Eddy (Sites 1 and 2 combined), with a corresponding cumulative CPUE of 228 fish. The midpoint of the coho salmon run at Big Eddy was 15 August (Table 3). Morning drifts at Big Eddy produced 64% and 78% of the coho salmon at Sites 1 and 2 respectively (Appendix C1).

A total of 152 coho salmon were captured at Middle Mouth (Sites 1 and 2 combined), resulting in a cumulative CPUE of 301 fish. The midpoint of the run at Middle Mouth was 19 August (Table 3). Morning drifts at Middle Mouth produced 53% and 48 % of the coho salmon at Sites 1 and 2 respectively (Appendix C2).

A total of 394 coho salmon were sampled for ASL determination. Females made up 48.5% ($n = 191$) of the coho salmon sampled. Coho salmon age-2.1 composed 61.9% and age-1.1

represented 30.5%, followed by age-3.1 with 7.6% of the unweighted age sample. Mean lengths for females were 558 mm for age-1.1 ($n = 55$), 556 mm for age-1.2 ($n = 123$), and 561 mm for age-3.1 ($n = 13$). Mean lengths for males were 559 mm for age-1.1 ($n = 65$), 556 mm for age-2.1 ($n = 121$), and 553 mm for age-3.1 ($n = 17$) (Table 4).

DISCUSSION

Inseason run timing and relative abundance indices collected by this project provide critical information for the management of the Yukon Area fall chum and coho salmon stocks. It provides the first indication of fall chum and coho salmon pulses entering the river, an index of their abundance, and run timing information. Age composition information from fall chum salmon is used to estimate the age structure of brood years which, in turn, is an integral part of preseason run forecasting.

In concert with other lower Yukon River assessment projects, LYTF serves as a means to assess the quality of salmon passage counts at the mainstem sonar operated near Pilot Station. Overall, in 2012, for each species, the LYTF and mainstem sonar near Pilot Station appeared to corroborate the timing of pulses and the magnitude of abundance of each pulse (K. Schumann, Commercial Fisheries Biologist, ADF&G, Fairbanks; personal communication). This provides an indication that operational problems such as debris, high water, and turbidity did not adversely affect data collection at each project. The midpoint of the fall chum salmon timing in 2012 was 4 days earlier than the historical median date (2001–2011) of 8 August (Appendix D1), but coho salmon arrived on average timing compared to the historical median date (2001–2011) of 17 August (Appendix D4). Relative abundance compared to historical operations of the LYTF project suggest that the fall chum salmon run was larger than average and coho salmon was below average. Upriver projects and run reconstruction confirmed that the fall chum salmon run was above average and the coho salmon run was below average (B. Borba, Commercial Fisheries Biologist, ADF&G, Fairbanks; personal communication).

Collected ASL information indicates the proportion of all age classes and sex composition of fall chum and coho salmon in 2012 were comparable to the historical median (B. Borba, Commercial Fisheries Biologist, ADF&G, Fairbanks; personal communication). YDFDA operated the project later into the season to provide assessment for both fall chum and coho salmon for consideration of continued commercial fisheries.

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REFERENCES CITED

- Clark, K., and J. S. Hayes. 2002. Cooperative salmon drift gillnet test fishing in the Lower Yukon River, 2001. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 3A02-36, Anchorage.
- Clutter, R., and L. Whitesel. 1956. Collection and interpretation of sockeye salmon scales. International Pacific Salmon Fisheries Commission Bulletin 9.
- Estensen, J. L., and A. J. Padilla. 2013. Fall season cooperative salmon drift gillnet test fishing in the Lower Yukon River, 2011. Alaska Department of Fish and Game, Fishery Data Series No. 13-51, Anchorage.
- INPFC (International North Pacific Fisheries Commission). 1963. Annual report 1961. Vancouver, British Columbia.
- Koo, T. S. Y. 1962. Age designation in salmon. Pages 37–48 [*In*]: T. S. Y. Koo, editor. Studies of Alaska red salmon. University of Washington Publications in Fisheries, New Series, Volume I, University of Washington Press, Seattle.
- Molyneaux, D. B. 1999. Data summary for the Kuskokwim River salmon test fishery at Bethel, 1984–2000. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 3A99-33, Anchorage.
- Mosher, K. H. 1968. Photographic atlas of sockeye salmon scales. U.S. Fish and Wildlife Service, Bureau of Commercial Fisheries, Fishery Bulletin No. 2: 243-274.
- Padilla, A. J., and B. M. Borba. 2011. Fall season cooperative salmon drift gillnet test fishing in the Lower Yukon River, 2009. Alaska Department of Fish and Game, Fishery Data Series No. 11-30, Anchorage.

TABLES AND FIGURES

Table 1.—Daily and cumulative catch and catch per unit effort (CPUE) of fall chum salmon in the Lower Yukon drift gillnet test fishery, 2012.

| Date | Big Eddy | | | | Middle Mouth | | | | Combined | | | |
|--------|-------------|------------|---------|-----------------|--------------|------------|---------|-----------------|-------------|------------|---------|-----------------|
| | Daily Catch | Daily CPUE | % Total | Cumulative CPUE | Daily Catch | Daily CPUE | % Total | Cumulative CPUE | Daily Catch | Daily CPUE | % Total | Cumulative CPUE |
| 16 Jul | a 13 | 45.10 | 0.02 | 45.10 | 5 | 14.71 | 0.01 | 14.71 | 18 | 29.90 | 0.02 | 29.90 |
| 17 Jul | 94 | 198.24 | 0.11 | 243.34 | 43 | 64.07 | 0.05 | 78.78 | 137 | 131.16 | 0.09 | 161.06 |
| 18 Jul | 40 | 65.65 | 0.14 | 308.99 | 60 | 85.40 | 0.11 | 164.18 | 100 | 75.53 | 0.13 | 236.59 |
| 19 Jul | a 31 | 130.77 | 0.20 | 439.76 | 45 | 118.47 | 0.18 | 282.65 | 76 | 124.62 | 0.19 | 361.21 |
| 20 Jul | 14 | 20.86 | 0.21 | 460.62 | 16 | 23.60 | 0.20 | 306.25 | 30 | 22.23 | 0.21 | 383.44 |
| 21 Jul | 3 | 4.50 | 0.21 | 465.12 | 3 | 4.66 | 0.20 | 310.90 | 6 | 4.58 | 0.21 | 388.01 |
| 22 Jul | 16 | 23.49 | 0.22 | 488.61 | 8 | 11.59 | 0.21 | 322.50 | 24 | 17.54 | 0.22 | 405.56 |
| 23 Jul | a 13 | 39.43 | 0.24 | 528.04 | 5 | 14.63 | 0.22 | 337.13 | 18 | 27.03 | 0.23 | 432.59 |
| 24 Jul | 9 | 10.11 | 0.25 | 538.15 | 0 | 0.00 | 0.22 | 337.13 | 9 | 5.05 | 0.23 | 437.64 |
| 25 Jul | 40 | 107.04 | 0.30 | 645.19 | 10 | 16.44 | 0.23 | 353.57 | 50 | 61.74 | 0.27 | 499.38 |
| 26 Jul | 59 | 215.43 | 0.40 | 860.62 | 3 | 12.86 | 0.24 | 366.43 | 62 | 114.14 | 0.33 | 613.52 |
| 27 Jul | 34 | 43.53 | 0.42 | 904.15 | 37 | 52.49 | 0.27 | 418.92 | 71 | 48.01 | 0.35 | 661.53 |
| 28 Jul | 21 | 29.98 | 0.43 | 934.13 | 17 | 24.71 | 0.29 | 443.63 | 38 | 27.34 | 0.37 | 688.88 |
| 29 Jul | 5 | 14.73 | 0.44 | 948.85 | 2 | 3.16 | 0.29 | 446.79 | 7 | 8.94 | 0.37 | 697.82 |
| 30 Jul | a,b 0 | 0.00 | 0.44 | 948.85 | 0 | 0.00 | 0.29 | 446.79 | 0 | 0.00 | 0.37 | 697.82 |
| 31 Jul | 111 | 185.41 | 0.52 | 1,134.27 | 3 | 4.74 | 0.29 | 451.52 | 114 | 95.08 | 0.42 | 792.90 |
| 1 Aug | 30 | 45.54 | 0.54 | 1,179.80 | 10 | 14.73 | 0.30 | 466.26 | 40 | 30.13 | 0.44 | 823.03 |
| 2 Aug | a 8 | 24.00 | 0.55 | 1,203.80 | 2 | 5.33 | 0.30 | 471.59 | 10 | 14.67 | 0.45 | 837.70 |
| 3 Aug | 9 | 13.47 | 0.56 | 1,217.27 | 0 | 0.00 | 0.30 | 471.59 | 9 | 6.73 | 0.45 | 844.43 |
| 4 Aug | 52 | 81.31 | 0.60 | 1,298.58 | 73 | 119 | 0.38 | 590.98 | 125 | 100.35 | 0.51 | 944.78 |
| 5 Aug | a 49 | 142.63 | 0.66 | 1,441.21 | 62 | 264.69 | 0.55 | 855.67 | 111 | 203.66 | 0.62 | 1,148.44 |
| 6 Aug | 3 | 4.54 | 0.66 | 1,445.75 | 9 | 13.18 | 0.56 | 868.85 | 12 | 8.86 | 0.62 | 1,157.30 |
| 7 Aug | 6 | 9.00 | 0.67 | 1,454.75 | 6 | 8.93 | 0.56 | 877.78 | 12 | 8.96 | 0.63 | 1,166.26 |
| 8 Aug | 8 | 12.00 | 0.67 | 1,466.75 | 40 | 56.25 | 0.60 | 934.03 | 48 | 34.13 | 0.64 | 1,200.39 |
| 9 Aug | 2 | 6.02 | 0.68 | 1,472.77 | 21 | 53.66 | 0.64 | 987.69 | 23 | 29.84 | 0.66 | 1,230.23 |
| 10 Aug | 1 | 1.54 | 0.68 | 1,474.31 | 0 | 0.00 | 0.64 | 987.69 | 1 | 0.77 | 0.66 | 1,231.00 |
| 11 Aug | 1 | 1.54 | 0.68 | 1,475.84 | 0 | 0.00 | 0.64 | 987.69 | 1 | 0.77 | 0.66 | 1,231.77 |
| 12 Aug | 2 | 3.08 | 0.68 | 1,478.92 | 0 | 0.00 | 0.64 | 987.69 | 2 | 1.54 | 0.66 | 1,233.30 |
| 13 Aug | 10 | 13.50 | 0.69 | 1,492.42 | 3 | 4.09 | 0.64 | 991.78 | 13 | 8.79 | 0.67 | 1,242.10 |
| 14 Aug | 1 | 1.50 | 0.69 | 1,493.92 | 2 | 2.96 | 0.64 | 994.74 | 3 | 2.23 | 0.67 | 1,244.33 |

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Table 1.–Page 2 of 2.

| Date | Big Eddy | | | | Middle Mouth | | | | Combined | | | |
|-----------------------|-------------|------------|----------|-----------------|--------------|------------|---------|-----------------|-------------|------------|---------|-----------------|
| | Daily Catch | Daily CPUE | % Total | Cumulative CPUE | Daily Catch | Daily CPUE | % Total | Cumulative CPUE | Daily Catch | Daily CPUE | % Total | Cumulative CPUE |
| 15 Aug | 1 | 1.54 | 0.69 | 1,495.46 | 1 | 1.50 | 0.64 | 996.24 | 2 | 1.52 | 0.67 | 1,245.85 |
| 16 Aug ^{b,c} | 151 | 523.37 | 0.93 | 2,018.83 | 58 | 99.51 | 0.70 | 1,095.75 | 209 | 311.44 | 0.83 | 1,557.29 |
| 17 Aug | 66 | 126.41 | 0.99 | 2,145.24 | 94 | 174.88 | 0.82 | 1,270.64 | 160 | 150.65 | 0.92 | 1,707.94 |
| 18 Aug | 1 | 5.33 | 0.99 | 2,150.57 | 15 | 54.27 | 0.85 | 1,324.90 | 16 | 29.80 | 0.93 | 1,737.74 |
| 19 Aug | 3 | 6.00 | 0.99 | 2,156.57 | 41 | 64.77 | 0.89 | 1,389.67 | 44 | 35.38 | 0.95 | 1,773.12 |
| 20 Aug ^a | 1 | 3.08 | 0.99 | 2,159.65 | 18 | 48.99 | 0.93 | 1,438.66 | 19 | 26.03 | 0.96 | 1,799.16 |
| 21 Aug ^b | 2 | 3.16 | 0.99 | 2,162.81 | 1 | 2.00 | 0.93 | 1,440.66 | 3 | 2.58 | 0.97 | 1,801.73 |
| 22 Aug | 3 | 4.66 | 1.00 | 2,167.46 | 17 | 24.82 | 0.94 | 1,465.48 | 20 | 14.74 | 0.97 | 1,816.47 |
| 23 Aug ^a | 0 | 0.00 | 1.00 | 2,167.46 | 6 | 18.46 | 0.95 | 1,483.94 | 6 | 9.23 | 0.98 | 1,825.70 |
| 24 Aug ^b | 1 | 4.62 | 1.00 | 2,172.08 | 2 | 2.93 | 0.96 | 1,486.87 | 3 | 3.77 | 0.98 | 1,829.47 |
| 25 Aug | 3 | 4.50 | 1.00 | 2,176.58 | 3 | 4.93 | 0.96 | 1,491.80 | 6 | 4.71 | 0.98 | 1,834.19 |
| 26 Aug | 0 | 0.00 | 1.00 | 2,176.58 | 6 | 9.04 | 0.97 | 1,500.83 | 6 | 4.52 | 0.99 | 1,838.71 |
| 27 Aug | 0 | 0.00 | 1.00 | 2,176.58 | 5 | 14.63 | 0.97 | 1,515.47 | 5 | 7.32 | 0.99 | 1,846.02 |
| 28 Aug | 0 | 0.00 | 1.00 | 2,176.58 | 32 | 39.34 | 1.00 | 1,554.81 | 32 | 19.67 | 1.00 | 1,865.69 |
| Total | 917 | | 2,176.58 | | 784 | | | 1,554.81 | 1,701 | | | 1,865.69 |

Note: The box within the column indicates the first to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. In 2012, the Alaska Department of Fish and Game ceased operation of the Lower Yukon test fishery (LYTF) on 28 August. Kwik’puk Fisheries and Yukon Delta Fisheries Development Association personnel assumed LYTF operations through 20 September. Daily and cumulative CPUE are divided in half for comparison to historical data at Big Eddy and Middle Mouth sites.

- ^a One or more drifts cancelled due to commercial period.
- ^b One or more drifts cancelled due to hazardous weather.
- ^c Middle Mouth used a 25-fathom net for evening drift.

Table 2.—Age, sex and length of fall chum salmon sampled in the Lower Yukon drift gillnet test fishery, 2012.

| Station | Sample Size | Sex | Brood Year and Age Class | | | | | | | | | |
|--------------|-------------|------------------|--------------------------|-----|------|------|------|------|------|-----|-------|-------|
| | | | 2009 | | 2008 | | 2007 | | 2006 | | | |
| | | | No. | % | No. | % | No. | % | No. | % | | |
| Big Eddy | 595 | Females | 3 | 0.5 | 229 | 38.5 | 90 | 15.1 | 8 | 1.3 | 330 | 55.5 |
| | | Males | 2 | 0.3 | 206 | 34.6 | 47 | 7.9 | 10 | 1.7 | 265 | 44.5 |
| | | Subtotal | 5 | 0.8 | 435 | 73.1 | 137 | 23.0 | 18 | 3.0 | 595 | 100.0 |
| | | Mean Length (mm) | Females | 604 | 570 | 586 | 575 | | | | | |
| | | | SE | 24 | 2 | 3 | 13 | | | | | |
| | | Mean Length (mm) | Males | 546 | 579 | 603 | 610 | | | | | |
| | | | SE | 11 | 3 | 5 | 10 | | | | | |
| Middle Mouth | 600 | | No. | % | No. | % | No. | % | No. | % | No. | % |
| | | Females | 2 | 0.3 | 272 | 45.3 | 55 | 9.2 | 6 | 1.0 | 335 | 55.8 |
| | | Males | 6 | 1.0 | 215 | 35.8 | 33 | 5.5 | 11 | 1.8 | 265 | 44.2 |
| | | Total | 8 | 1.3 | 487 | 81.2 | 88 | 14.7 | 17 | 2.8 | 600 | 100.0 |
| | | Mean Length (mm) | Females | 567 | 569 | 581 | 567 | | | | | |
| | | | SE | 20 | 3 | 4 | 9 | | | | | |
| | | Mean Length (mm) | Males | 562 | 572 | 586 | 596 | | | | | |
| | | | SE | 11 | 3 | 5 | 10 | | | | | |
| Season total | 1,195 | | No. | % | No. | % | No. | % | No. | % | No. | % |
| | | Females | 5 | 0.4 | 501 | 41.9 | 145 | 12.1 | 14 | 1.2 | 665 | 55.6 |
| | | Males | 8 | 0.7 | 421 | 35.2 | 80 | 6.7 | 21 | 1.8 | 530 | 44.4 |
| | | Total | 13 | 1.1 | 922 | 77.2 | 225 | 18.8 | 35 | 2.9 | 1,195 | 100.0 |
| | | Mean Length (mm) | Females | 589 | 569 | 584 | 570 | | | | | |
| | | | SE | 17 | 2 | 2 | 8 | | | | | |
| | | Mean Length (mm) | Males | 558 | 575 | 596 | 603 | | | | | |
| | | | SE | 9 | 2 | 4 | 7 | | | | | |

Table 3.—Daily and cumulative catch and catch per unit effort (CPUE) of coho salmon in the Lower Yukon drift gillnet test fishery, 2012.

| Date | Big Eddy | | | | Middle Mouth | | | | Combined | | | |
|--------|-------------|------------|------------|------|--------------|------------|------------|------|-------------|------------|------------|------|
| | Daily Catch | Daily CPUE | Cumulative | | Daily Catch | Daily CPUE | Cumulative | | Daily Catch | Daily CPUE | Cumulative | |
| | | | % Total | CPUE | | | % Total | CPUE | | | % Total | CPUE |
| 16 Jul | a | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 17 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 18 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 19 Jul | a | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 20 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 21 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 22 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 23 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 24 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 25 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 26 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 27 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 28 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 29 Jul | | 0 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 30 Jul | a,b | 1 | 6.32 | 0.03 | 6.32 | 0 | 0.00 | 0.00 | 0.00 | 1 | 3.16 | 0.01 |
| 31 Jul | | 1 | 1.58 | 0.03 | 7.89 | 0 | 0.00 | 0.00 | 0.00 | 1 | 0.79 | 0.01 |
| 1 Aug | | 5 | 6.87 | 0.06 | 14.77 | 3 | 4.15 | 0.01 | 4.15 | 8 | 5.51 | 0.04 |
| 2 Aug | a | 1 | 3.00 | 0.08 | 17.77 | 0 | 0.00 | 0.01 | 4.15 | 1 | 1.50 | 0.04 |
| 3 Aug | | 2 | 2.96 | 0.09 | 20.73 | 0 | 0.00 | 0.01 | 4.15 | 2 | 1.48 | 0.05 |
| 4 Aug | | 2 | 3.00 | 0.10 | 23.73 | 5 | 0 | 0.01 | 4.15 | 7 | 1.50 | 0.05 |
| 5 Aug | a | 2 | 5.58 | 0.13 | 29.31 | 1 | 3.16 | 0.02 | 7.31 | 3 | 4.37 | 0.07 |
| 6 Aug | | 1 | 1.50 | 0.14 | 30.81 | 3 | 4.32 | 0.04 | 11.63 | 4 | 2.91 | 0.08 |
| 7 Aug | | 1 | 1.50 | 0.14 | 32.31 | 1 | 1.50 | 0.04 | 13.13 | 2 | 1.50 | 0.09 |
| 8 Aug | | 0 | 0.00 | 0.14 | 32.31 | 5 | 7.00 | 0.07 | 20.13 | 5 | 3.50 | 0.10 |
| 9 Aug | | 1 | 2.86 | 0.15 | 35.17 | 8 | 21.16 | 0.14 | 41.30 | 9 | 12.01 | 0.14 |
| 10 Aug | | 1 | 1.50 | 0.16 | 36.67 | 2 | 3.16 | 0.15 | 44.46 | 3 | 2.33 | 0.15 |
| 11 Aug | | 17 | 26.35 | 0.28 | 63.02 | 1 | 1.50 | 0.15 | 45.96 | 18 | 13.93 | 0.21 |
| 12 Aug | | 2 | 3.04 | 0.29 | 66.06 | 2 | 2.79 | 0.16 | 48.75 | 4 | 2.91 | 0.22 |
| 13 Aug | | 24 | 32.83 | 0.43 | 98.89 | 0 | 0.00 | | 48.75 | 24 | 16.41 | 0.28 |
| 14 Aug | | 8 | 12.04 | 0.49 | 110.93 | 3 | 4.43 | 0.18 | 53.17 | 11 | 8.23 | 0.31 |

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Table 3.–Page 2 of 2.

| Date | Big Eddy | | | | Middle Mouth | | | | Combined | | | |
|-----------------------|-------------|------------|---------|-----------------|--------------|------------|---------|-----------------|-------------|------------|---------|-----------------|
| | Daily Catch | Daily CPUE | % Total | Cumulative CPUE | Daily Catch | Daily CPUE | % Total | Cumulative CPUE | Daily Catch | Daily CPUE | % Total | Cumulative CPUE |
| 15 Aug | 6 | 9 | 0.53 | 120.24 | 6 | 8.85 | 0.21 | 62.03 | 12 | 9.08 | 0.34 | 91.13 |
| 16 Aug ^{b,c} | 15 | 50.12 | 0.75 | 170.36 | 6 | 10.85 | 0.24 | 72.88 | 21 | 30.49 | 0.46 | 121.62 |
| 17 Aug | 17 | 31.04 | 0.88 | 201.40 | 31 | 62.80 | 0.45 | 135.68 | 48 | 46.92 | 0.64 | 168.54 |
| 18 Aug | 3 | 16.00 | 0.95 | 217.40 | 3 | 10.29 | 0.48 | 145.96 | 6 | 13.14 | 0.69 | 181.68 |
| 19 Aug | 0 | 0.00 | 0.95 | 217.40 | 22 | 35.50 | 0.60 | 181.46 | 22 | 17.75 | 0.75 | 199.43 |
| 20 Aug ^a | 0 | 0.00 | 0.95 | 217.40 | 24 | 65.61 | 0.82 | 247.07 | 24 | 32.81 | 0.88 | 232.24 |
| 21 Aug ^b | 0 | 0.00 | 0.95 | 217.40 | 1 | 2.00 | 0.83 | 249.07 | 1 | 1.00 | 0.88 | 233.24 |
| 22 Aug | 0 | 0.00 | 0.95 | 217.40 | 5 | 7.36 | 0.85 | 256.43 | 5 | 3.68 | 0.90 | 236.92 |
| 23 Aug ^a | 0 | 0.00 | 0.95 | 217.40 | 5 | 15.38 | 0.90 | 271.81 | 5 | 7.69 | 0.92 | 244.61 |
| 24 Aug ^b | 2 | 9.23 | 0.99 | 226.63 | 2 | 2.93 | 0.91 | 274.74 | 4 | 6.08 | 0.95 | 250.69 |
| 25 Aug | 1 | 1.50 | 1.00 | 228.13 | 0 | 0.00 | 0.91 | 274.74 | 1 | 0.75 | 0.95 | 251.44 |
| 26 Aug | 0 | 0.00 | 1.00 | 228.13 | 2 | 3.08 | 0.92 | 277.82 | 2 | 1.54 | 0.96 | 252.98 |
| 27 Aug | 0 | 0.00 | 1.00 | 228.13 | 5 | 14.78 | 0.97 | 292.60 | 5 | 7.39 | 0.98 | 260.37 |
| 28 Aug | 0 | 0.00 | 1.00 | 228.13 | 6 | 8.45 | 1.00 | 301.05 | 6 | 4.23 | 1.00 | 264.59 |
| Total | 113 | | 228.13 | | 152 | | | 301.05 | 265 | | | 264.59 |

Note: The box within the column indicates the first to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. In 2012 the Alaska Department of Fish and Game ceased operation of the Lower Yukon test fishery (LYTF) on 28 August. Kwik'pak Fisheries and Yukon Delta Fisheries Development Association personnel assumed LYTF operations through 20 September. Daily and cumulative CPUE are divided in half for comparison to historical data at Big Eddy and Middle Mouth sites.

^a One or more drifts cancelled due to commercial period.

^b One or more drifts cancelled due to hazardous weather.

^c Middle Mouth used a 25-fathom net for evening drift.

Table 4.—Age, sex, and length of coho salmon sampled in the Lower Yukon drift gillnet test fishery, 2012.

| Station | Sample Size | Sex | Brood Year and Age Class | | | | | | | |
|--------------|-------------|------------------|--------------------------|------|------|------|------|-----|-----|-------|
| | | | 2009 | | 2008 | | 2007 | | | |
| | | | No. | % | No. | % | No. | % | No. | % |
| Big Eddy | 122 | Females | 15 | 12.3 | 34 | 27.9 | 2 | 1.6 | 51 | 41.8 |
| | | Males | 25 | 20.5 | 43 | 35.2 | 3 | 2.5 | 71 | 58.2 |
| | | Subtotal | 40 | 32.8 | 77 | 63.1 | 5 | 4.1 | 122 | 100.0 |
| | | Mean Length (mm) | Females | 558 | 560 | 573 | | | | |
| | | | SE | 6 | 4 | 20 | | | | |
| | | Mean Length (mm) | Males | 558 | 561 | 573 | | | | |
| | | | SE | 6 | 4 | 61 | | | | |
| Middle Mouth | 272 | | No. | % | No. | % | No. | % | No. | % |
| | | Females | 40 | 14.7 | 89 | 32.7 | 11 | 4.0 | 140 | 51.5 |
| | | Males | 40 | 14.7 | 78 | 28.7 | 14 | 5.1 | 132 | 48.5 |
| | | Subtotal | 80 | 29.4 | 167 | 61.4 | 25 | 9.2 | 272 | 100.0 |
| | | Mean Length (mm) | Females | 559 | 554 | 555 | | | | |
| | | | SE | 5 | 3 | 5 | | | | |
| | | Mean Length (mm) | Males | 560 | 556 | 554 | | | | |
| | | | SE | 5 | 4 | 5 | | | | |
| Season Total | 394 | | No. | % | No. | % | No. | % | No. | % |
| | | Females | 55 | 14.0 | 123 | 31.2 | 13 | 3.3 | 191 | 48.5 |
| | | Males | 65 | 16.5 | 121 | 30.7 | 17 | 4.3 | 203 | 51.5 |
| | | Total | 120 | 30.5 | 244 | 61.9 | 30 | 7.6 | 394 | 100.0 |
| | | Mean Length (mm) | Females | 558 | 556 | 561 | | | | |
| | | | SE | 3 | 2 | 5 | | | | |
| | | Mean Length (mm) | Males | 559 | 556 | 553 | | | | |
| | | | SE | 4 | 3 | 5 | | | | |

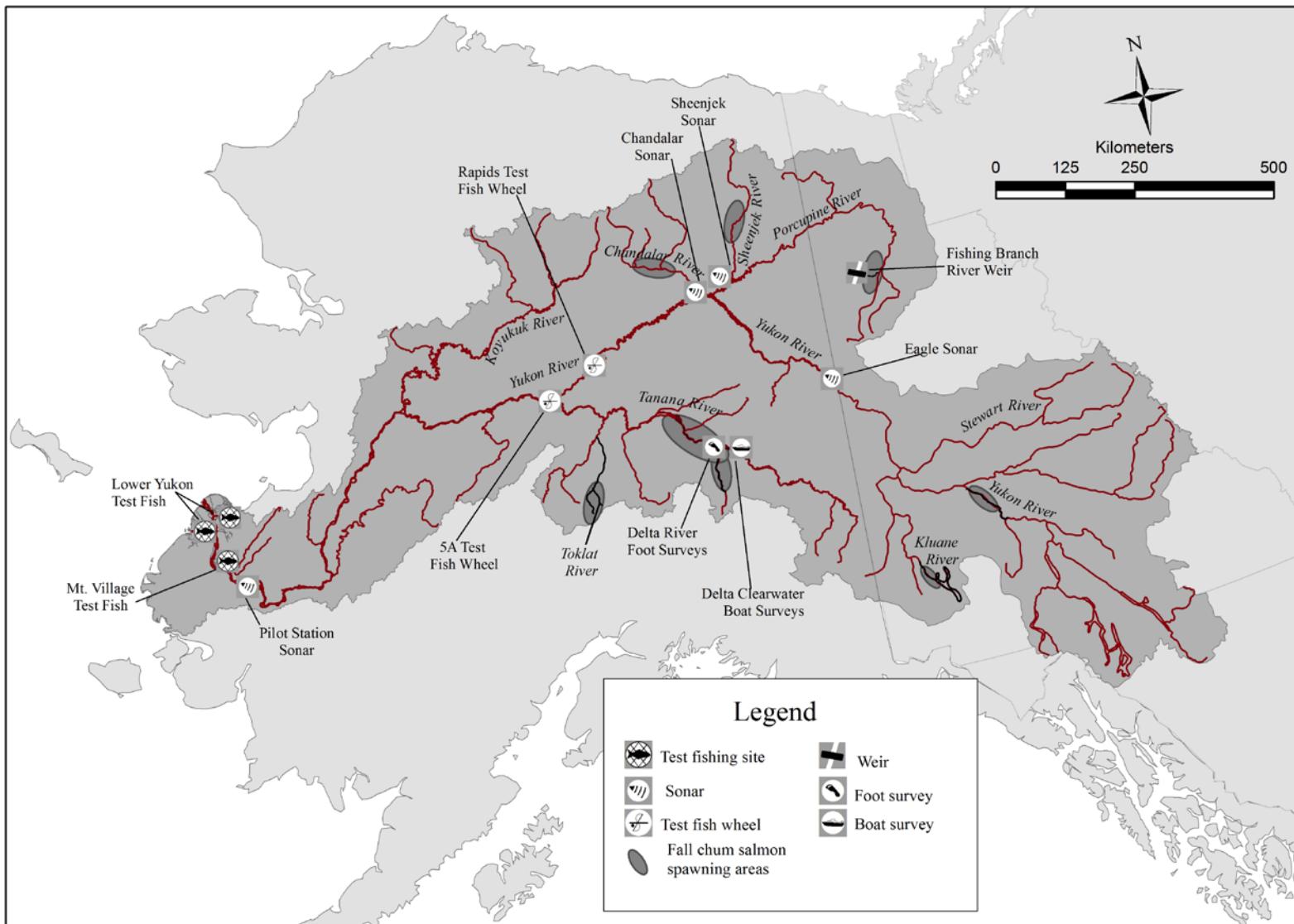


Figure 1.—Select project site locations for fall season salmon assessment in the Yukon River drainage, 2012.

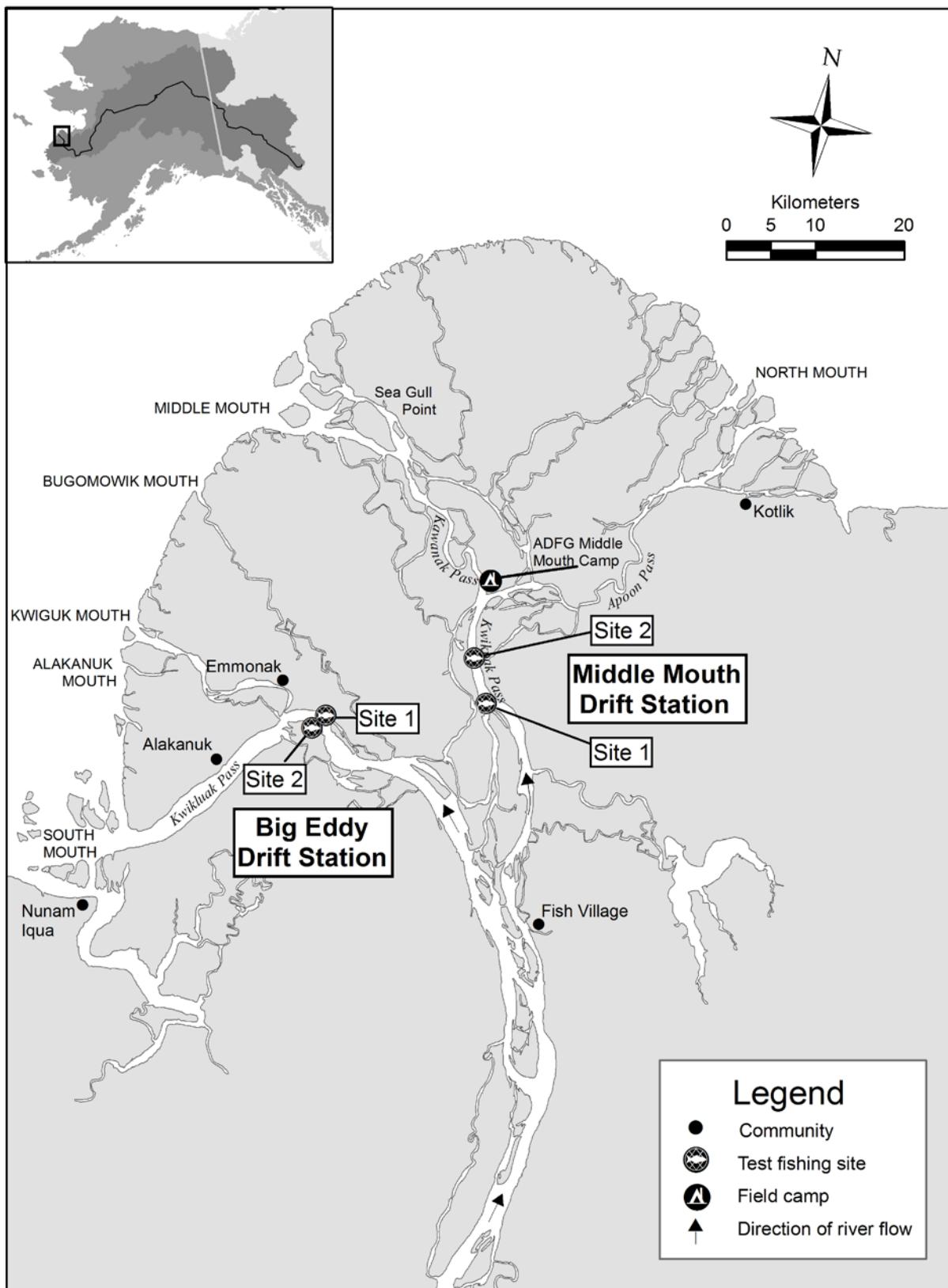


Figure 2.—Drift sites for the fall season cooperative Lower Yukon drift gillnet test fishery, Yukon River, 2012.

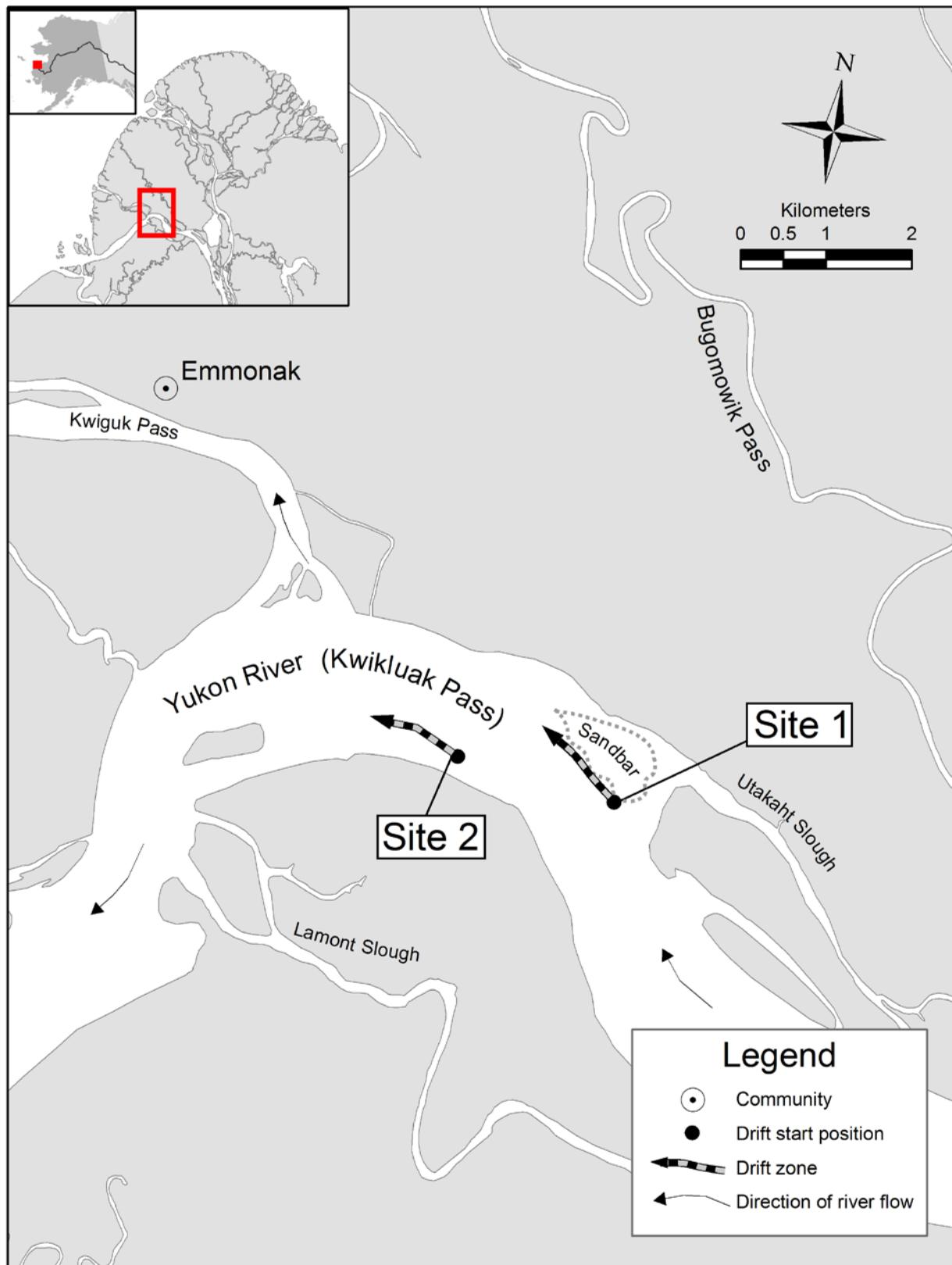


Figure 3.–Big Eddy Station test drift gillnet sites in the lower Yukon River, 2012.

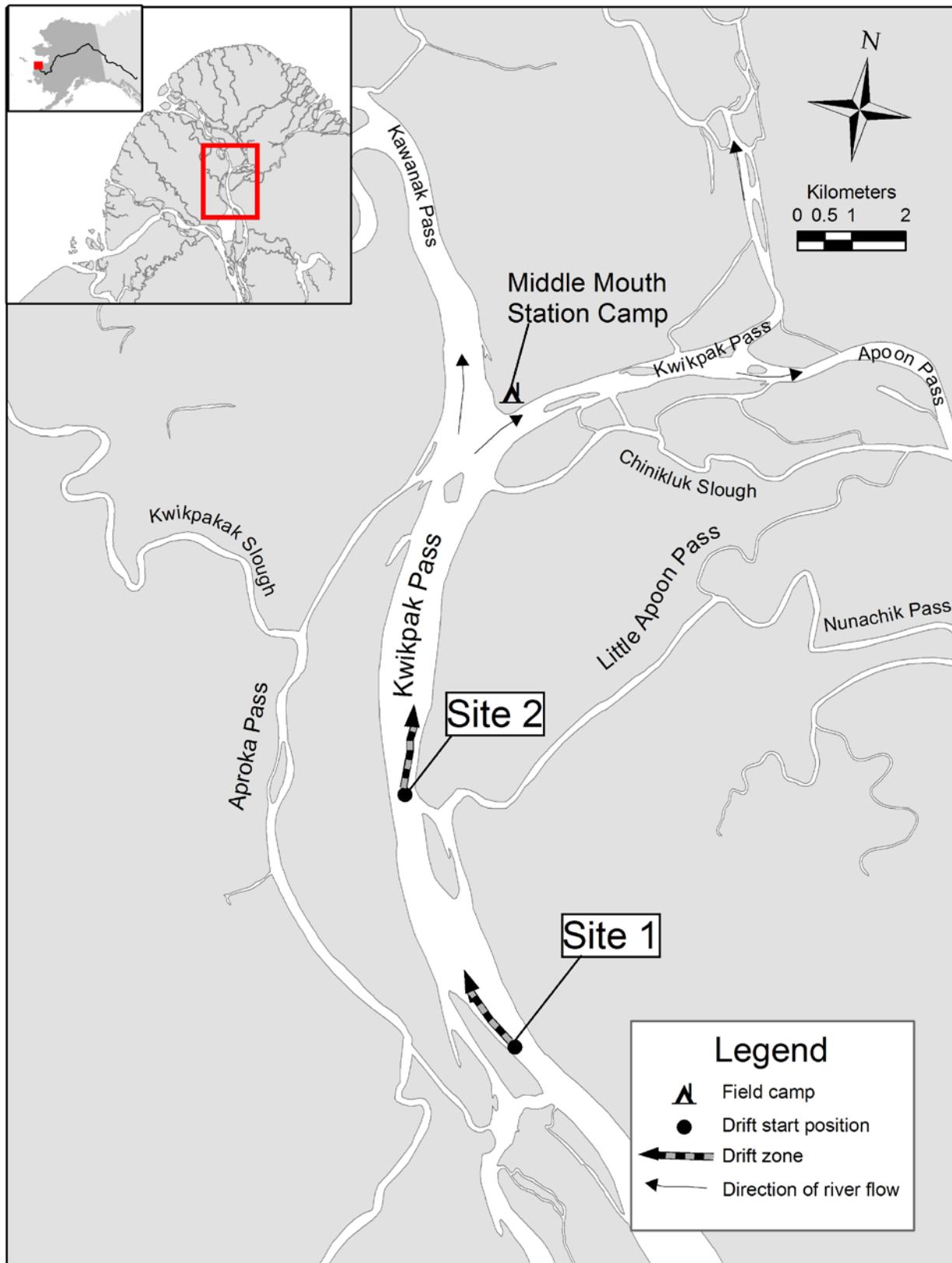


Figure 4.—Middle Mouth Station test drift gillnet sites in the lower Yukon River, 2012.

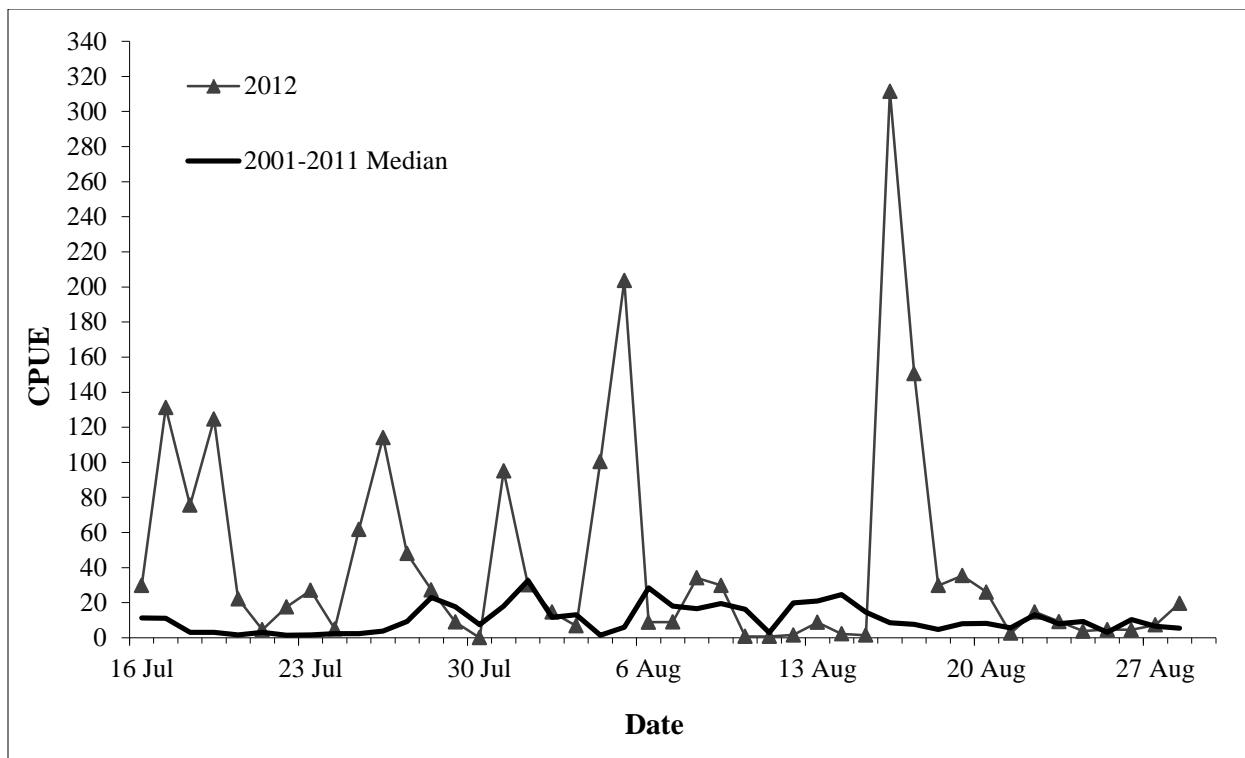


Figure 5.—Daily catch per unit effort (CPUE) for fall chum salmon in the Lower Yukon drift gillnet test fishery, Yukon River, 2012, compared to the 2001–2011 median.

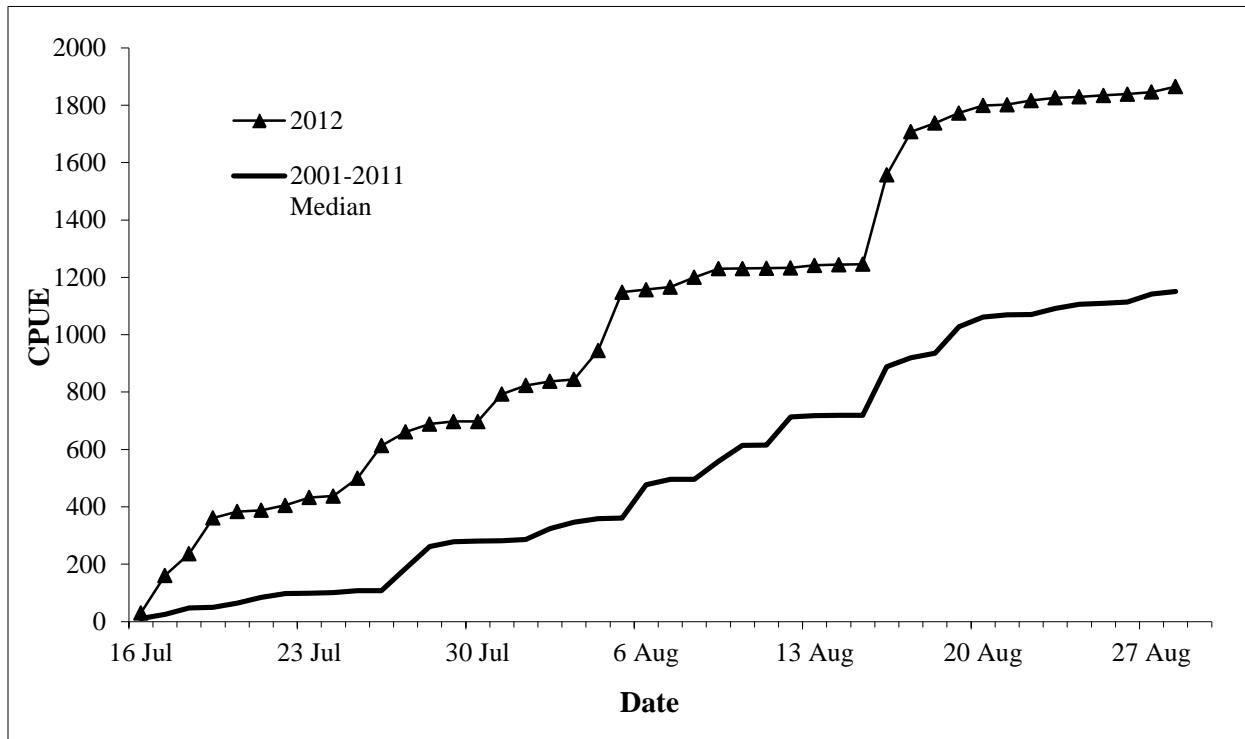


Figure 6.—Cumulative catch per unit effort (CPUE) for fall chum salmon in the Lower Yukon drift gillnet test fishery, Yukon River, 2012, compared to the 2001–2011 median.

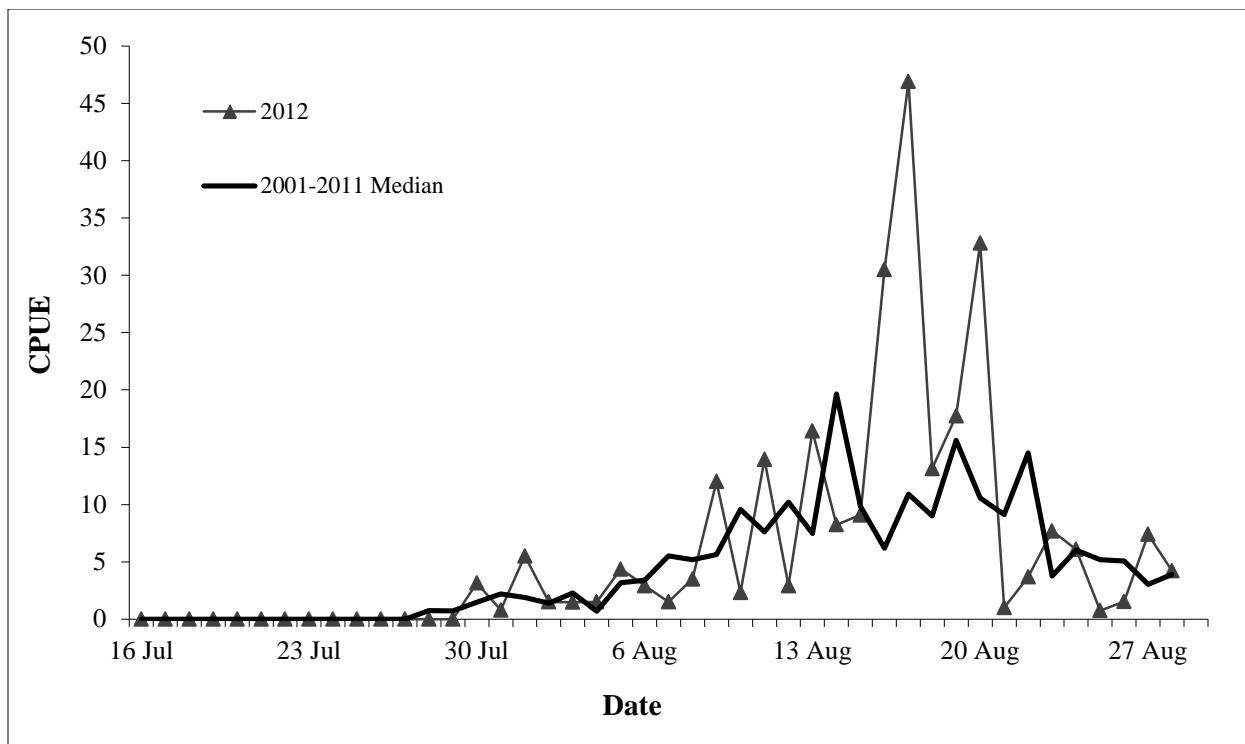


Figure 7.—Daily catch per unit effort (CPUE) for coho salmon in the fall season Lower Yukon drift gillnet test fishery, Yukon River, 2012, compared to the 2001–2011 median.

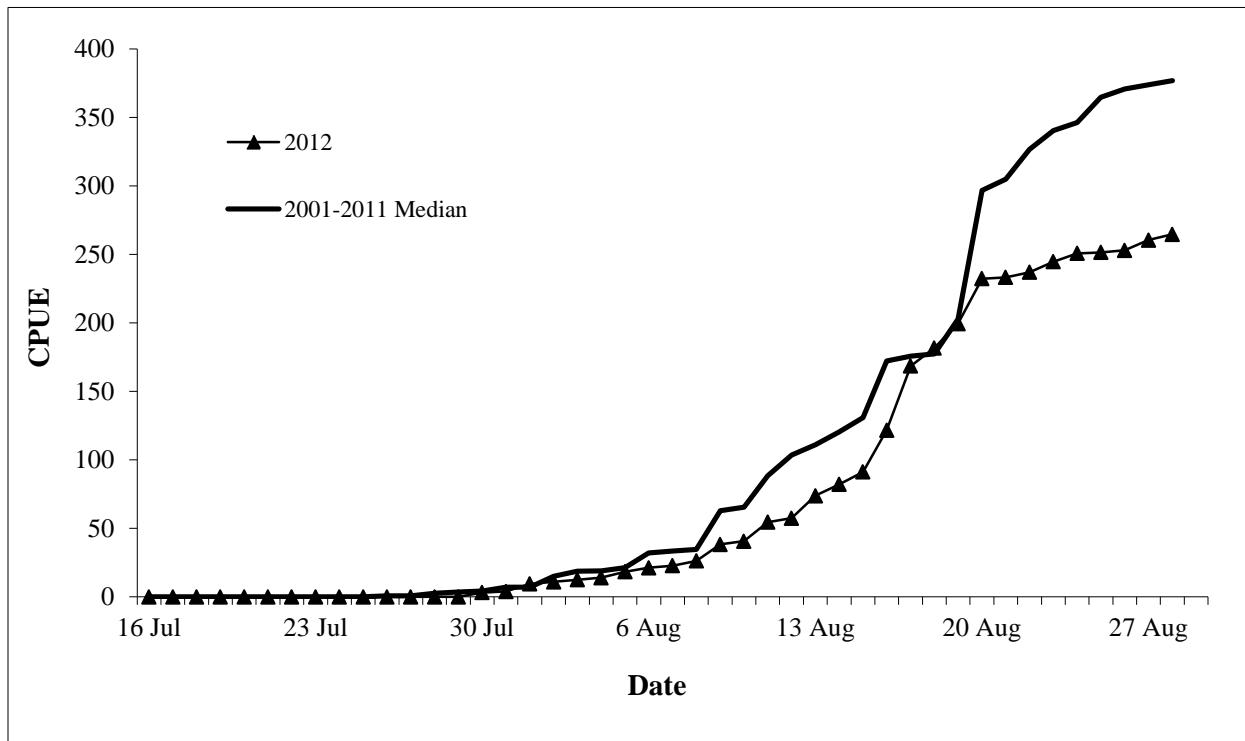


Figure 8.—Cumulative catch per unit effort (CPUE) for coho salmon in the fall season Lower Yukon drift gillnet test fishery, Yukon River, 2012, compared to the 2001–2011 median.

APPENDIX A: DRIFT EXTENSION CATCH PER UNIT EFFORT

Appendix A1.—Extension of fall chum salmon catch and catch per unit effort (CPUE) information
Lower Yukon drift gillnet test fishery, Yukon River, 2012.

| Date | Big Eddy | | | | Middle Mouth | | | | Combined | | | |
|-----------------------|-------------|------------|------|----------|--------------|------------|------|----------|-------------|------------|------|----------|
| | Daily Catch | Daily CPUE | % | Cum CPUE | Daily Catch | Daily CPUE | % | Cum CPUE | Daily Catch | Daily CPUE | % | Cum CPUE |
| 29 Aug ^a | 0 | 0.00 | 1.00 | 2,176.58 | 38 | 58.46 | 0.87 | 1,613.27 | 38 | 29.23 | 0.94 | 1,894.93 |
| 30 Aug ^{a,b} | 0 | 0.00 | 1.00 | 2,176.58 | — | 39.23 | 0.89 | 1,652.50 | — | 19.62 | 0.95 | 1,914.54 |
| 31 Aug | 2 | 3.16 | 1.00 | 2,179.73 | 13 | 20.00 | 0.90 | 1,672.50 | 15 | 11.58 | 0.95 | 1,926.12 |
| 1 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 60 | 92.31 | 0.95 | 1,764.81 | 60 | 46.15 | 0.98 | 1,972.27 |
| 2 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 9 | 13.85 | 0.96 | 1,778.66 | 9 | 6.92 | 0.98 | 1,979.20 |
| 3 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 25 | 38.46 | 0.98 | 1,817.12 | 25 | 19.23 | 0.99 | 1,998.43 |
| 4 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 6 | 18.46 | 0.99 | 1,835.58 | 6 | 9.23 | 0.99 | 2,007.66 |
| 5 Sep ^c | 0 | 0.00 | 1.00 | 2,179.73 | 1 | 3.08 | 0.99 | 1,838.66 | 1 | 1.54 | 0.99 | 2,009.20 |
| 6 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 3 | 4.62 | 0.99 | 1,843.27 | 3 | 2.31 | 1.00 | 2,011.50 |
| 7 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 2 | 3.08 | 0.99 | 1,846.35 | 2 | 1.54 | 1.00 | 2,013.04 |
| 8 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 1 | 0.00 | 0.99 | 1,846.35 | 1 | 0.00 | 1.00 | 2,013.04 |
| 9 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 1 | 1.22 | 1.00 | 1,847.58 | 1 | 0.61 | 1.00 | 2,013.65 |
| 10 Sep | 0 | 0.00 | 1.00 | 2,179.73 | 1 | 1.22 | 1.00 | 1,848.80 | 1 | 0.61 | 1.00 | 2,014.27 |
| 11 Sep | 1 | 1.50 | 1.00 | 2,181.23 | 2 | 2.67 | 1.00 | 1,851.47 | 3 | 2.08 | 1.00 | 2,016.35 |
| 12 Sep | 1 | 3.00 | 1.00 | 2,184.23 | 1 | 1.33 | 1.00 | 1,852.80 | 2 | 2.17 | 1.00 | 2,018.52 |
| 13 Sep | 0 | 0.00 | 1.00 | 2,184.23 | 1 | 1.33 | 1.00 | 1,854.13 | 1 | 0.67 | 1.00 | 2,019.18 |
| 14 Sep | 0 | 0.00 | 1.00 | 2,184.23 | 2 | 2.67 | 1.00 | 1,856.80 | 2 | 1.33 | 1.00 | 2,020.52 |
| 15 Sep | 0 | 0.00 | 1.00 | 2,184.23 | 0 | 0.00 | 1.00 | 1,856.80 | 0 | 0.00 | 1.00 | 2,020.52 |
| 16 Sep | 0 | 0.00 | 1.00 | 2,184.23 | 0 | 0.00 | 1.00 | 1,856.80 | 0 | 0.00 | 1.00 | 2,020.52 |
| 17 Sep | 0 | 0.00 | 1.00 | 2,184.23 | 0 | 0.00 | 1.00 | 1,856.80 | 0 | 0.00 | 1.00 | 2,020.52 |
| 18 Sep | 0 | 0.00 | 1.00 | 2,184.23 | 0 | 0.00 | 1.00 | 1,856.80 | 0 | 0.00 | 1.00 | 2,020.52 |
| 19 Sep | 0 | 0.00 | 1.00 | 2,184.23 | 0 | 0.00 | 1.00 | 1,856.80 | 0 | 0.00 | 1.00 | 2,020.52 |
| 20 Sep | 0 | 0.00 | 1.00 | 2,184.23 | — | — | — | 1,856.80 | 0 | 0.00 | 1.00 | 2,020.52 |
| Total | 4 | 7.66 | | | 166 | 301.99 | | | 170 | 154.82 | | |

Note: In 2012, the Alaska Department of Fish and Game ceased operation of project on 28 August. Kwik’pak Fisheries and Yukon Delta Fisheries Development Association personnel assumed Lower Yukon test fishery operations through 20 September. Percent and cumulative CPUE columns are continuous from project start date, 16 July 2012. Daily and cumulative CPUE are divided in half for comparison to historical data at Big Eddy and Middle Mouth sites.

^a One or more drifts cancelled due to commercial period.

^b Data interpolated.

^c One or more drifts cancelled due to hazardous weather.

Appendix A2.—Extension of coho salmon catch and catch per unit effort (CPUE) information, Lower Yukon drift gillnet test fishery, Yukon River, 2012.

| Date | Big Eddy | | | | Middle Mouth | | | | Combined | | | |
|-----------------------|-------------|------------|------|----------|--------------|------------|------|----------|-------------|------------|------|----------|
| | Daily Catch | Daily CPUE | % | Cum CPUE | Daily Catch | Daily CPUE | % | Cum CPUE | Daily Catch | Daily CPUE | % | Cum CPUE |
| 29 Aug ^a | 0 | 0.0 | 0.83 | 228.1 | 12 | 18.46 | 0.48 | 319.51 | 12 | 9.23 | 0.58 | 273.82 |
| 30 Aug ^{a,b} | 0 | 0.0 | 0.83 | 228.1 | — | 10.77 | 0.49 | 330.28 | — | 5.38 | 0.59 | 279.21 |
| 31 Aug | 2 | 3.2 | 0.84 | 231.3 | 2 | 3.08 | 0.50 | 333.36 | 4 | 3.12 | 0.60 | 282.32 |
| 1 Sep | 2 | 3.0 | 0.85 | 234.3 | 35 | 53.85 | 0.58 | 387.20 | 37 | 28.42 | 0.66 | 310.75 |
| 2 Sep | 1 | 1.5 | 0.85 | 235.8 | 30 | 46.15 | 0.65 | 433.36 | 31 | 23.83 | 0.71 | 334.57 |
| 3 Sep | 0 | 0.0 | 0.85 | 235.8 | 15 | 23.08 | 0.68 | 456.44 | 15 | 11.54 | 0.73 | 346.11 |
| 4 Sep | 2 | 6.0 | 0.88 | 241.8 | 18 | 55.38 | 0.76 | 511.82 | 20 | 30.69 | 0.80 | 376.81 |
| 5 Sep ^c | 0 | 0.0 | 0.88 | 241.8 | 3 | 9.23 | 0.78 | 521.05 | 3 | 4.62 | 0.81 | 381.42 |
| 6 Sep | 0 | 0.0 | 0.88 | 241.8 | 22 | 33.85 | 0.83 | 554.90 | 22 | 16.92 | 0.84 | 398.34 |
| 7 Sep | 1 | 1.5 | 0.88 | 243.3 | 6 | 9.23 | 0.84 | 564.13 | 7 | 5.37 | 0.86 | 403.71 |
| 8 Sep | 2 | 3.0 | 0.89 | 246.3 | 0 | 0.00 | 0.84 | 564.13 | 2 | 1.50 | 0.86 | 405.21 |
| 9 Sep | 0 | 0.0 | 0.89 | 246.3 | 5 | 6.12 | 0.85 | 570.25 | 5 | 3.06 | 0.87 | 408.27 |
| 10 Sep | 0 | 0.0 | 0.89 | 246.3 | 4 | 4.90 | 0.86 | 575.15 | 4 | 2.45 | 0.87 | 410.72 |
| 11 Sep | 3 | 4.5 | 0.91 | 250.8 | 10 | 13.33 | 0.88 | 588.48 | 13 | 8.92 | 0.89 | 419.64 |
| 12 Sep | 3 | 9.0 | 0.94 | 259.8 | 3 | 4.00 | 0.88 | 592.48 | 6 | 6.50 | 0.90 | 426.14 |
| 13 Sep | 1 | 1.5 | 0.95 | 261.3 | 23 | 30.67 | 0.93 | 623.15 | 24 | 16.08 | 0.94 | 442.22 |
| 14 Sep | 1 | 1.5 | 0.95 | 262.8 | 8 | 10.67 | 0.95 | 633.81 | 9 | 6.08 | 0.95 | 448.30 |
| 15 Sep | 3 | 4.5 | 0.97 | 267.3 | 4 | 5.33 | 0.95 | 639.15 | 7 | 4.92 | 0.96 | 453.22 |
| 16 Sep | 1 | 0.0 | 0.97 | 267.3 | 6 | 16.06 | 0.98 | 655.21 | 7 | 8.03 | 0.98 | 461.25 |
| 17 Sep | 0 | 0.0 | 0.97 | 267.3 | 5 | 13.33 | 1.00 | 668.54 | 0 | 6.67 | 0.99 | 467.92 |
| 18 Sep | 0 | 6.0 | 0.99 | 273.3 | 0 | 0.00 | 1.00 | 668.54 | 0 | 3.00 | 1.00 | 470.92 |
| 19 Sep | 1 | 0.0 | 0.99 | 273.3 | 1 | 1.33 | 1.00 | 669.88 | 2 | 0.67 | 1.00 | 471.58 |
| 20 Sep | 0 | 3.0 | 1.00 | 276.3 | — | — | — | 669.88 | 0 | 3.00 | 1.01 | 474.58 |
| Total | 23 | 48.16 | | | 212 | 368.82 | | | 230 | 209.99 | | |

Note: In 2012, the Alaska Department of Fish and Game ceased operation of project on 28 August. Kwik’pak Fisheries and Yukon Delta Fisheries Development Association personnel assumed Lower Yukon test fishery operations through 20 September. Percent and cumulative CPUE columns are continuous from project start date, 16 July 2012. Daily and cumulative CPUE are divided in half for comparison to historical data at Big Eddy and Middle Mouth sites.

^a One or more drifts cancelled due to commercial period.

^b Data interpolated.

^c One or more drifts cancelled due to hazardous weather.

APPENDIX B: CLIMATE AND STREAM OBSERVATIONS

Appendix B1.-Fall season climatological and stream observations, Big Eddy station, Yukon River, 2012.

| Date | ^c | Cloud Cover (code) ^a | | | | Precipitation (code) ^b | | | | Wind | | Temperature (C°) | | | |
|--------|--------------|------------------------------------|----|--------------------------------------|----|--------------------------------------|----|----|----|------|------|------------------|------|----|--|
| | | Cloud Cover (code) ^a | | Precipitation (code) ^b | | Direction & Velocity (mph) | | | | Air | | Water Surface | | | |
| | | AM | PM | AM | PM | AM | PM | SE | AM | PM | AM | PM | AM | PM | |
| 16 Jul | | 2 | 3 | 0 | 0 | E | 5 | SE | 12 | 11 | 10.2 | 16.3 | 16.5 | | |
| 17 Jul | | 4 | 4 | 0 | 0 | SW | 5 | SE | 10 | 9.7 | 10.3 | 16.2 | 16.2 | | |
| 18 Jul | | 4 | 4 | 0 | A | SW | 15 | S | 15 | 9.9 | 10.8 | 16.1 | 15.9 | | |
| 19 Jul | | 4 | 4 | A | A | SW | 10 | W | 5 | 9 | 11.0 | 15.8 | 15.9 | | |
| 20 Jul | | 4 | 4 | A | 0 | W | 5 | — | — | 10.3 | 11.9 | 15.7 | 16.4 | | |
| 21 Jul | | 3 | 2 | 0 | 0 | — | — | NW | 15 | 11.3 | 16.6 | 15.4 | 16.0 | | |
| 22 Jul | | 2 | 3 | 0 | 0 | NE | 10 | NW | 5 | 13.6 | 17.1 | 15.2 | 16.0 | | |
| 23 Jul | | 2 | 4 | 0 | A | — | — | SE | 5 | 12.1 | 12.0 | 16.1 | 15.8 | | |
| 24 Jul | ^d | 4 | 4 | 0 | 0 | SW | 25 | S | 20 | 9.7 | 11.6 | 15.5 | 14.9 | | |
| 25 Jul | ^d | 4 | 4 | B | A | S | 25 | SE | 25 | 14.9 | 7.7 | 9.9 | 14.3 | | |
| 26 Jul | ^d | 4 | 4 | B | A | SE | 10 | SE | 20 | 9.6 | 14.3 | 14.1 | 13.1 | | |
| 27 Jul | ^d | 4 | 4 | B | B | SE | 20 | SE | 25 | 8.9 | 9.8 | 14.1 | 14.1 | | |
| 28 Jul | ^d | 4 | 4 | B | B | SE | 5 | SE | 20 | 10.1 | 11.9 | 14.0 | 14.1 | | |
| 29 Jul | ^d | 4 | 4 | B | A | SE | 10 | W | 25 | 10.1 | 8.1 | 14.1 | 13.8 | | |
| 30 Jul | ^d | 2 | 3 | 0 | 0 | W | 20 | SW | 15 | 7.6 | 14.3 | 13.5 | 15.0 | | |
| 31 Jul | | 2 | 4 | 0 | B | NE | 5 | SE | 15 | 6.9 | 9.7 | 13.3 | 13.3 | | |
| 1 Aug | | 4 | 4 | B | B | E | 5 | — | — | 9.3 | 10.7 | 11.3 | 13.3 | | |
| 2 Aug | | 5 | 3 | B | 0 | NW | 10 | NW | 10 | 11 | 9.9 | 13.1 | 13.4 | | |
| 3 Aug | | 4 | 4 | B | B | S | 10 | SE | 15 | 9.2 | 10.3 | 12.9 | 13.2 | | |
| 4 Aug | | 4 | 3 | A | A | S | 10 | SE | 10 | 9.3 | 10.5 | 12.9 | 13.2 | | |
| 5 Aug | | 4 | 2 | 0 | 0 | SE | 5 | SE | 10 | 8.4 | 10.4 | 13.0 | 13.3 | | |
| 6 Aug | | 4 | 5 | 0 | A | SE | 5 | S | 5 | 8.3 | 10.0 | 13.1 | 12.9 | | |
| 7 Aug | | 3 | 2 | 0 | 0 | W | 5 | N | 15 | 10 | 11.9 | 13.0 | 13.2 | | |
| 8 Aug | | 1 | 2 | 0 | 0 | W | 2 | N | 10 | 8.1 | 11.0 | 13.0 | 14.1 | | |
| 9 Aug | | 1 | 1 | 0 | 0 | — | — | — | — | 9.1 | 11.2 | 13.6 | 14.3 | | |
| 10 Aug | | 5 | 1 | 0 | 0 | — | — | — | — | 10.2 | 14.4 | 14.4 | 14.9 | | |
| 11 Aug | | 1 | 2 | 0 | 0 | W | 5 | — | — | 13.5 | 17.9 | 14.9 | 15.7 | | |
| 12 Aug | | 2 | 2 | 0 | 0 | — | — | N | 10 | 13.7 | 17.3 | 15.5 | 16.3 | | |
| 13 Aug | | 2 | 2 | 0 | 0 | — | — | NW | 10 | 12.6 | 18.8 | 15.9 | 16.7 | | |
| 14 Aug | | 2 | 2 | 0 | 0 | SE | 5 | SW | 10 | 13.7 | 16.4 | 16.3 | 17.1 | | |
| 15 Aug | ^d | 3 | 4 | 0 | B | SE | 10 | SE | 25 | 13.7 | 14.8 | 16.7 | 16.7 | | |
| 16 Aug | ^d | 4 | 4 | B | A | SE | 25 | SE | 25 | 11.2 | 11.5 | 16.2 | 16.1 | | |
| 17 Aug | ^d | 4 | 4 | A | B | SE | 30 | SE | 15 | 11.1 | 13.3 | 15.8 | 15.8 | | |

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| Date | ^c | Cloud Cover (code) ^a | | Precipitation (code) ^b | | Wind | | | | Temperature (C°) | | | | | |
|--------|--------------|------------------------------------|----|--------------------------------------|----|------|----|----|----|-------------------------------|------|------|------|------------------|----|
| | | | | | | AM | | PM | | Direction & Velocity (mph) | | Air | | Water Surface | |
| | | AM | PM | AM | PM | AM | PM | SE | SW | W | SE | SW | W | AM | PM |
| 18 Aug | ^d | 4 | 4 | B | A | SE | 30 | SE | 35 | — | 10.8 | 12.1 | 14.9 | 15.7 | |
| 19 Aug | | 4 | 4 | A | 0 | SW | 15 | W | 10 | — | 11.1 | 9.3 | 14.6 | 14.3 | |
| 20 Aug | | 3 | — | 0 | — | — | — | — | — | — | 7.1 | — | 13.6 | — | |
| 21 Aug | | 4 | 4 | B | B | SE | 15 | SE | 15 | — | 9.8 | 9.8 | 13.6 | 13.8 | |
| 22 Aug | | 4 | 4 | 0 | B | SE | 10 | SW | 15 | — | 9.7 | 8.9 | 13.1 | 12.9 | |
| 23 Aug | | 4 | 4 | A | B | S | 5 | S | 15 | — | 7.6 | 8.5 | 12.7 | 12.5 | |
| 24 Aug | ^d | 4 | 1 | A | 0 | SE | 25 | SW | 30 | — | 8.6 | 10.0 | 12.5 | 12.3 | |
| 25 Aug | | 5 | 4 | A | B | SW | 10 | SW | 5 | — | 9.2 | 11.7 | 12.1 | 12.2 | |
| 26 Aug | | 4 | 4 | B | 0 | N | 10 | W | 15 | — | 9.7 | 8.1 | 12.2 | 12.3 | |
| 27 Aug | | 1 | 2 | 0 | 0 | SW | 5 | W | 15 | — | 11.7 | 11.1 | 12.1 | 12.7 | |
| 28 Aug | | 4 | 4 | A | — | S | 10 | SE | 12 | — | 8.1 | 9.5 | 12.3 | 12.2 | |
| | | | | Minimum | | 2 | | 5 | | 6.9 | | 7.7 | | 9.9 | |
| | | | | Mean | | 12 | | 15 | | 10.2 | | 11.8 | | 14.1 | |
| | | | | Maximum | | 30 | | 35 | | 14.9 | | 18.8 | | 16.7 | |

^a Cloud cover code: 0 = No observation made. 1 = Clear sky, cloud covering not more than 1/10 of sky. 2 = Cloud covering not more than 1/2 of sky. 3 = Cloud more than 1/2 of sky. 4 = Completely overcast. 5 = Fog or thick haze.

^b Precipitation code: A = Intermittent rain. B = Continuous rain. C = Snow. D = Snow and rain mixed. E = Hail. F = Thunderstorms with or without precipitation. 0 = No precipitation.

^c Morning observations were taken at approximately 0800, and evening observations were taken at approximately 2000 hours.

^d Wind gusts 20 mph or greater.

^e Drifts cancelled due to hazardous weather.

Appendix B2.—Fall season climatological and stream observations, Middle Mouth Station, Yukon River, 2012.

| Date | ^c | Cloud Cover (code) ^a | | Precipitation (code) ^b | | Wind | | | Temperature (C°) | | | | |
|--------|--------------|------------------------------------|----|--------------------------------------|----|-------------------------------|----|-----|------------------|------------------|------|------|------|
| | | | | | | Direction & Velocity (mph) | | Air | | Water Surface | | | |
| | | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | | |
| 16 Jul | | 3 | 4 | 0 | 0 | SE | 5 | SE | 15 | 11.0 | 13.8 | 16.5 | 16.5 |
| 17 Jul | | 4 | 4 | A | 0 | SE | 10 | SW | 5 | 9.2 | 10.4 | 16.5 | 16.5 |
| 18 Jul | | 4 | 4 | 0 | 0 | SW | 15 | W | 10 | 9.2 | 9.7 | 16.1 | 16.1 |
| 19 Jul | ^d | 4 | 4 | A | 0 | SW | 41 | SW | 5 | 8.8 | 10.7 | 15.7 | 15.9 |
| 20 Jul | | 4 | 4 | A | 0 | N | 3 | N | 10 | 10.3 | 12.2 | 15.9 | 16.5 |
| 21 Jul | | 4 | 2 | 0 | 0 | N | 5 | NW | 15 | 10.5 | 16.9 | 16.1 | 13.7 |
| 22 Jul | | 3 | 4 | 0 | 0 | W | 10 | NW | 8 | 10.3 | 15.3 | 16.0 | 16.7 |
| 23 Jul | ^d | 4 | 4 | 0 | 0 | W | 3 | S | 10 | 12.9 | 15.5 | 16.6 | 16.7 |
| 24 Jul | ^d | 4 | 4 | 0 | 0 | SE | 25 | SE | 25 | 10.2 | 11.2 | 15.9 | 15.4 |
| 25 Jul | ^d | 4 | 4 | A | A | SE | 20 | SE | 20 | 14.4 | 14.7 | 16.0 | 15.8 |
| 26 Jul | | 4 | 4 | A | A | S | 10 | SE | 10 | 12.3 | 14.2 | 15.9 | 16.0 |
| 27 Jul | | 5 | 4 | 0 | A | W | 5 | SW | 15 | 16.0 | 16.2 | 15.7 | 15.9 |
| 28 Jul | | 4 | 4 | A | A | SE | 0 | SE | 10 | 10.6 | 12.3 | 14.2 | 14.4 |
| 29 Jul | | 4 | 4 | A | A | E | 10 | W | 10 | 10.9 | 14.7 | 14.6 | 15.1 |
| 30 Jul | | 4 | 3 | 0 | 0 | W | 10 | SW | 15 | 12.8 | 14.3 | 15.1 | 15.0 |
| 31 Jul | | 3 | 4 | 0 | A | SW | 5 | E | 15 | 12.3 | 10.8 | 14.7 | 15.0 |
| 1 Aug | | 4 | 4 | A | A | NE | 5 | NE | 10 | 10.3 | 12.2 | 13.5 | 13.7 |
| 2 Aug | | 4 | 4 | A | 0 | W | 10 | W | 10 | 12.3 | 13.0 | 13.6 | 13.7 |
| 3 Aug | | 4 | 4 | A | B | S | 15 | S | 15 | 8.7 | 9.5 | 13.5 | 13.3 |
| 4 Aug | | 4 | 3 | 0 | 0 | SE | 10 | SE | 10 | 9.2 | 11.1 | 13.1 | 13.5 |
| 5 Aug | | 4 | 4 | 0 | 0 | SE | 1 | SW | 5 | 8.4 | 10.3 | 13.4 | 13.5 |
| 6 Aug | | 4 | 4 | A | A | SE | 5 | S | 0 | 8.5 | 15.3 | 13.2 | 8.7 |
| 7 Aug | | 4 | 4 | A | A | NW | 5 | NW | 10 | 13.5 | 9.3 | 10.7 | 13.6 |
| 8 Aug | | 1 | 1 | 0 | 0 | NW | 10 | NW | 5 | 13.8 | 14.3 | 14.4 | 14.5 |
| 9 Aug | | 2 | 0 | 0 | — | 0 | 0 | — | — | 9.6 | — | 13.9 | — |
| 10 Aug | | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 8.6 | 17.5 | 14.7 | 15.5 |
| 11 Aug | | 2 | 3 | 0 | 0 | 0 | 0 | N | 3 | 10.2 | 20.0 | 14.5 | 17.0 |
| 12 Aug | | 2 | 2 | 0 | 0 | 0 | 0 | N | 5 | 10.7 | 21.3 | 14.7 | 17.0 |
| 13 Aug | | 1 | 2 | 0 | 0 | N | 5 | N | 5 | 14.6 | 17.9 | 16.3 | 17.2 |
| 14 Aug | | 2 | 2 | 0 | 0 | 0 | 0 | W | 5 | 13.3 | 20.3 | 16.9 | 17.6 |
| 15 Aug | ^d | 3 | 4 | 0 | A | E | 2 | SE | 28 | 12.3 | 13.5 | 17.3 | 17.1 |
| 16 Aug | ^d | 4 | 4 | A | A | E | 28 | SE | 20 | 12.1 | 12.1 | 17.1 | 16.3 |
| 17 Aug | ^d | 4 | 4 | A | A | SE | 25 | SE | 13 | 10.8 | 12.5 | 15.9 | 15.7 |

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| Date | ^c | Cloud Cover (code) ^a | | Precipitation (code) ^b | | Wind | | Temperature (C°) | | | |
|--------|--------------|------------------------------------|----|--------------------------------------|----|-------------------------------|----|------------------|------|------------------|------|
| | | | | | | Direction & Velocity (mph) | | Air | | Water Surface | |
| | | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM |
| 18 Aug | ^d | 4 | 4 | A | A | SE | 25 | SE | 28 | 10.7 | 12.6 |
| 19 Aug | | 4 | A | A | 0 | SE | 15 | NW | 15 | 10.4 | 8.0 |
| 20 Aug | | 4 | 4 | 0 | A | W | 5 | W | 15 | 7.1 | 15.2 |
| 21 Aug | ^d | 4 | 4 | A | B | SE | 25 | E | 10 | 7.4 | 10.3 |
| 22 Aug | | 4 | 4 | 0 | B | SE | 15 | W | 10 | 9.5 | 10.3 |
| 23 Aug | | 4 | 0 | A | – | W | 10 | – | – | 7.9 | – |
| 24 Aug | | 4 | 4 | A | B | NW | 15 | W | 10 | 8.0 | 10.0 |
| 25 Aug | | – | – | – | – | – | – | – | – | – | – |
| 26 Aug | | – | – | – | – | – | – | – | – | – | – |
| 27 Aug | | – | – | – | – | – | – | – | – | – | – |
| 28 Aug | | – | – | – | – | – | – | – | – | – | – |
| | | | | | | Minimum | 0 | 0 | 7.1 | 8.0 | 10.7 |
| | | | | | | Mean | 10 | 11 | 10.7 | 13.4 | 14.9 |
| | | | | | | Maximum | 41 | 28 | 16.0 | 21.3 | 17.3 |
| | | | | | | | | | | | 17.6 |

^a Cloud cover code: 0 = No observation made. 1 = Clear sky, cloud covering not more than 1/10 of sky. 2 = Cloud covering not more than 1/2 of sky. 3 = Cloud more than 1/2 of sky. 4 = Completely overcast. 5 = Fog or thick haze.

^b Precipitation code: A = Intermittent rain. B = Continuous rain. C = Snow. D = Snow and rain mixed. E = Hail. F = Thunderstorms with or without precipitation. 0 = No precipitation.

^c Morning observations were taken at approximately 0800, and evening observations were taken at approximately 2000 hours.

^d Wind gusts 20 mph or greater.

APPENDIX C: FISHING SITES AND CATCH DATA

Appendix C1.—Mean fishing times from Big Eddy drift gillnet Sites 1 and 2 and fall chum and coho salmon catches, Yukon River, 2012.

| Big Eddy Drift Gillnet Sites | | | | | | | | | | | | |
|------------------------------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|
| Site 1 | | | | | | | | | | | | |
| Date | Morning Drifts | | | Evening Drifts | | | Morning Drifts | | | Evening Drifts | | |
| | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | |
| | | Fall | Chum | Coho | Fall | Chum | Coho | Fall | Chum | Coho | Fall | Chum |
| 16 Jul | 15.5 | 7 | 0 | — | — | — | a | 20.0 | 6 | 0 | — | — |
| 17 Jul | 16.0 | 63 | 0 | 13.5 | 19 | 0 | | 9.5 | 12 | 0 | 13.0 | 0 |
| 18 Jul | 17.5 | 24 | 0 | 21.5 | 9 | 0 | | 17.5 | 6 | 0 | 18.0 | 1 |
| 19 Jul | 15.0 | 20 | 0 | — | — | — | a | 13.0 | 11 | 0 | — | — |
| 20 Jul | 19.5 | 4 | 0 | 19.5 | 1 | 0 | | 19.5 | 0 | 0 | 20.5 | 9 |
| 21 Jul | 19.0 | 0 | 0 | 20.5 | 0 | 0 | | 20.0 | 3 | 0 | 19.5 | 0 |
| 22 Jul | 19.5 | 0 | 0 | 19.5 | 1 | 0 | | 21.5 | 0 | 0 | 20.5 | 15 |
| 23 Jul | 21.5 | 2 | 0 | — | — | — | a | 19.5 | 11 | 0 | — | — |
| 24 Jul | 13.5 | 0 | 0 | 13.5 | 0 | 0 | | 28.0 | 8 | 0 | 19.5 | 1 |
| 25 Jul | — | — | — | b | — | — | — | 23.5 | 29 | 0 | 20.0 | 11 |
| 26 Jul | 21.0 | 18 | 0 | — | — | — | a | 15.0 | 41 | 0 | — | — |
| 27 Jul | 20.0 | 0 | 0 | 17.0 | 2 | 0 | | 24.0 | 32 | 0 | 12.5 | 0 |
| 28 Jul | 19.5 | 0 | 0 | 20.0 | 2 | 0 | | 21.0 | 14 | 0 | 21.5 | 5 |
| 29 Jul | 19.5 | 2 | 0 | — | — | — | b | 21.0 | 3 | 0 | — | — |
| 30 Jul | 19.0 | 0 | 1 | — | — | — | a | — | — | — | — | — |
| 31 Jul | 17.5 | 24 | 0 | 19.0 | 6 | 0 | | 17.5 | 51 | 0 | 19.0 | 30 |
| 1 Aug | 19.0 | 16 | 1 | 19.0 | 3 | 0 | | 21.0 | 3 | 3 | 20.5 | 8 |
| 2 Aug | 20.0 | 3 | 0 | — | — | — | a | 20.0 | 5 | 1 | — | — |
| 3 Aug | 20.0 | 2 | 0 | 20.0 | 0 | 1 | | 19.5 | 3 | 0 | 20.5 | 4 |
| 4 Aug | 20.5 | 11 | 0 | 20.5 | 6 | 1 | | 19.5 | 32 | 1 | 12.5 | 3 |
| 5 Aug | 18.5 | 13 | 0 | — | — | — | a | 21.5 | 36 | 2 | — | — |
| 6 Aug | 18.5 | 0 | 0 | 19.5 | 1 | 0 | | 18.0 | 0 | 0 | 20.0 | 2 |
| 7 Aug | 19.5 | 0 | 0 | 20.0 | 0 | 0 | | 20.0 | 6 | 1 | 19.5 | 0 |
| 8 Aug | 20.5 | 2 | 0 | 19.5 | 1 | 0 | | 20.0 | 4 | 0 | 19.5 | 1 |
| 9 Aug | 21.0 | 1 | 1 | — | — | — | a | 19.0 | 1 | 0 | — | — |
| 10 Aug | 20.0 | 0 | 0 | 20.0 | 0 | 1 | | 19.5 | 1 | 0 | 19.0 | 0 |
| 11 Aug | 19.5 | 1 | 11 | 17.5 | 0 | 2 | | 20.0 | 0 | 4 | 18.5 | 0 |
| 12 Aug | 19.5 | 1 | 0 | 20.0 | 0 | 1 | | 19.5 | 1 | 1 | 19.5 | 0 |
| 13 Aug | 24.0 | 4 | 7 | 22.0 | 4 | 8 | | 20.5 | 1 | 9 | 19.0 | 1 |
| 14 Aug | 20.0 | 1 | 5 | 19.5 | 0 | 1 | | 20.0 | 0 | 2 | 19.0 | 0 |
| 15 Aug | 19.5 | 1 | 4 | 19.0 | 0 | 2 | | 18.5 | 0 | 0 | 19.0 | 0 |

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| Big Eddy Drift Gillnet Sites | | | | | | | | | | | | |
|------------------------------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|
| Date | Site 1 | | | | | | Site 2 | | | | | |
| | Morning Drifts | | | Evening Drifts | | | Morning Drifts | | | Evening Drifts | | |
| | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | |
| | | Fall | Coho |
| 16 Aug | – | – | – | – | – | – | 19.5 | 77 | 10 | 15.5 | 74 | 5 |
| 17 Aug | 12.5 | 15 | 2 | 16.0 | 11 | 2 | 17.5 | 16 | 9 | 17.0 | 24 | 4 |
| 18 Aug | – | – | – | 0.0 | – | – | 22.5 | 1 | 3 | – | – | – |
| 19 Aug | 19.5 | 0 | 0 | 19.5 | 0 | 0 | 20.0 | 3 | 0 | – | – | – |
| 20 Aug | 20.0 | 0 | 0 | 0.0 | – | – | 19.5 | 1 | 0 | – | – | – |
| 21 Aug | 19.0 | 0 | 0 | 19.0 | 0 | 0 | 19.0 | 2 | 0 | 19.0 | 0 | 0 |
| 22 Aug | 19.0 | 0 | 0 | 19.0 | 1 | 0 | 21.0 | 0 | 0 | 19.5 | 2 | 0 |
| 23 Aug | 19.0 | 0 | 0 | – | – | – | 19.5 | 0 | 0 | – | – | – |
| 24 Aug | – | – | – | – | – | – | 19.0 | 0 | 0 | 13.0 | 1 | 2 |
| 25 Aug | 20.0 | 0 | 0 | 20.0 | 3 | 1 | 19.0 | 0 | 0 | 18.5 | 0 | 0 |
| 26 Aug | 18.5 | 0 | 0 | 18.5 | 0 | 0 | 20.0 | 0 | 0 | 19.0 | 0 | 0 |
| 27 Aug | 21.5 | 0 | 0 | 0.0 | – | – | 21.0 | 0 | 0 | – | – | – |
| 28 Aug | 19.5 | 0 | 0 | 18.0 | 0 | 0 | 20.5 | 0 | 0 | – | – | – |
| 29 Aug | 19.5 | 0 | 0 | 19.0 | 0 | 0 | 18.5 | 0 | 0 | 19.0 | 0 | 0 |
| 30 Aug | 15.5 | 0 | 0 | – | – | – | 15.0 | 0 | 0 | 0.0 | – | a |
| 31 Aug | 19.0 | 0 | 1 | 19.0 | 1 | 0 | 19.0 | 1 | 0 | 19.0 | 0 | 1 |
| 1 Sep | 20.0 | 0 | 1 | 20.0 | 0 | 0 | 20.0 | 0 | 1 | 20.0 | 0 | 0 |
| 2 Sep | 20.0 | 0 | 1 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 |
| 3 Sep | 20.0 | 0 | 0 | – | – | – | 20.0 | 0 | 0 | – | – | b |
| 4 Sep | 20.0 | 0 | 0 | – | – | – | 20.0 | 0 | 2 | – | – | b |
| 5 Sep | 20.0 | 0 | 0 | – | – | – | 20.0 | 0 | 0 | – | – | b |
| 6 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 |
| 7 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 1 | 20.0 | 0 | 0 |
| 8 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 1 | 20.0 | 0 | 1 | 20.0 | 0 | 0 |
| 9 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 |
| 10 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 |
| 11 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 1 | 3 | 20.0 | 0 | 0 |

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| Date | Big Eddy Drift Gillnet Sites | | | | | | | | | | | | |
|---------------|------------------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|---|
| | Site 1 | | | | | | Site 2 | | | | | | |
| | Morning Drifts | | | Evening Drifts | | | Morning Drifts | | | Evening Drifts | | | |
| | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | |
| | | Fall | Chum | | Fall | Chum | | Fall | Chum | | Fall | Chum | |
| | | Chum | Coho | | Chum | Coho | | Chum | Coho | | Chum | Coho | |
| 12 Sep | 20.0 | 1 | 2 | – | – | – | – | 0 | 1 | – | – | – | |
| 13 Sep | 20.0 | 0 | 1 | 19.5 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | |
| 14 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 1 | 20.0 | 0 | 0 | |
| 15 Sep | 20.0 | 0 | 3 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | |
| 16 Sep | – | – | – | ^b | 20.0 | 0 | 1 | – | – | ^b | 20.0 | 0 | 0 |
| 17 Sep | – | – | – | ^b | 20.0 | 0 | 0 | – | – | ^b | 20.0 | 0 | 0 |
| 18 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | |
| 19 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 1 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | |
| 20 Sep | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | 20.0 | 0 | 0 | |
| Drift Average | 19.3 | | | 18.1 | | | 19.6 | | | 18.5 | | | |
| SD | 1.8 | | | 4.9 | | | 2.3 | | | 3.4 | | | |
| Total Catch | 236 | 41 | | 71 | 23 | | 422 | 56 | | 192 | 16 | | |

Note: Gear is 6-inch stretch mesh, 35 meshes deep, and 50 fathoms long, unless otherwise noted. In 2012, the Alaska Department of Fish and Game ceased operation of project on 28 August. Kwik’pak Fisheries and Yukon Delta Fisheries Development Association personnel assumed Lower Yukon test fishery operations through 20 September.

^a Drifts cancelled due to commercial period.

^b Drifts cancelled due to hazardous weather.

^c Drifts cancelled with no documented reason.

Appendix C2.—Mean fishing time from Middle Mouth drift gillnet Sites 1 and 2 and fall chum and coho salmon catches, Yukon River, 2012.

| Middle Mouth Drift Gillnet Sites | | | | | | | | | | | | | |
|----------------------------------|--------------------|-----------|---------|--------------------|-----------|---------|--------|--------------------|-----------|---------|--------------------|-----------|------|
| | Site 1 | | | | | | Site 2 | | | | | | |
| | Morning Drifts | | | Evening Drifts | | | | Morning Drifts | | | Evening Drifts | | |
| | Salmon Catch | | Fishing | Salmon Catch | | Fishing | | Salmon Catch | | Fishing | Salmon Catch | | |
| Date | Fishing Time (min) | Fall Chum | Coho | Fishing Time (min) | Fall Chum | Coho | | Fishing Time (min) | Fall Chum | Coho | Fishing Time (min) | Fall Chum | Coho |
| 16 Jul | 20.0 | 1 | 0 | — | — | — | a | 20.5 | 4 | 0 | — | — | — |
| 17 Jul | 19.0 | 0 | 0 | 20.0 | 17 | 0 | | 21.0 | 13 | 0 | 19.5 | 13 | 0 |
| 18 Jul | 20.5 | 15 | 0 | 20.0 | 8 | 0 | | 20.5 | 10 | 0 | 22.0 | 27 | 0 |
| 19 Jul | 20.0 | 8 | 0 | — | — | — | a | 23.5 | 37 | 0 | — | — | — |
| 20 Jul | 20.0 | 5 | 0 | 19.0 | 0 | 0 | | 20.5 | 11 | 0 | 19.0 | 0 | 0 |
| 21 Jul | 19.5 | 1 | 0 | 19.5 | 0 | 0 | | 19.5 | 1 | 0 | 19.0 | 1 | 0 |
| 22 Jul | 19.5 | 0 | 0 | 19.0 | 0 | 0 | | 19.5 | 3 | 0 | 21.5 | 5 | 0 |
| 23 Jul | 19.0 | 0 | 0 | — | — | — | a | 20.5 | 5 | 0 | — | — | — |
| 24 Jul | 19.0 | 0 | 0 | 19.0 | 0 | 0 | | 19.5 | 0 | 0 | 19.0 | 0 | 0 |
| 25 Jul | 20.0 | 0 | 0 | 19.5 | 4 | 0 | | 19.5 | 0 | 0 | 17.5 | 6 | 0 |
| 26 Jul | 17.5 | 0 | 0 | — | — | — | a | 14.0 | 3 | 0 | — | — | — |
| 27 Jul | 22.5 | 11 | 0 | 19.5 | 1 | 0 | | 21.0 | 17 | 0 | 20.0 | 8 | 0 |
| 28 Jul | 20.5 | 2 | 0 | 19.5 | 0 | 0 | | 21.0 | 10 | 0 | 20.0 | 5 | 0 |
| 29 Jul | 19.0 | 0 | 0 | 19.5 | 0 | 0 | | 19.0 | 2 | 0 | 20.0 | 0 | 0 |
| 30 Jul | 20.5 | 0 | 0 | 0.0 | | | a | 19.5 | 0 | 0 | — | — | — |
| 31 Jul | 17.5 | 0 | 0 | 19.0 | 0 | 0 | | 17.5 | 0 | 0 | 19.0 | 3 | 0 |
| 1 Aug | 19.5 | 2 | 0 | 21.5 | 2 | 2 | | 20.0 | 5 | 0 | 22.0 | 1 | 1 |
| 2 Aug | 22.5 | 2 | 0 | — | — | — | a | 22.5 | 0 | 0 | — | — | — |
| 3 Aug | 21.5 | 0 | 0 | 19.5 | 0 | 0 | | 20.5 | 0 | 0 | 20.0 | 0 | 0 |
| 4 Aug | 20.5 | 8 | 0 | 25.0 | 26 | 2 | | 23.0 | 21 | 1 | 11.0 | 18 | 2 |
| 5 Aug | 19.0 | 32 | 1 | — | — | — | a | 11.0 | 30 | 0 | — | — | — |
| 6 Aug | 20.0 | 1 | 0 | 20.5 | 1 | 1 | | 19.5 | 2 | 0 | 21.0 | 5 | 2 |
| 7 Aug | 20.5 | 2 | 0 | 20.0 | 4 | 0 | | 20.0 | 0 | 0 | 20.0 | 0 | 1 |
| 8 Aug | 21.0 | 13 | 0 | 20.5 | 5 | 1 | | 19.5 | 5 | 1 | 22.5 | 17 | 3 |
| 9 Aug | 21.5 | 4 | 4 | — | — | — | a | 24.0 | 17 | 4 | — | — | — |
| 10 Aug | 20.0 | 0 | 0 | 19.0 | 0 | 2 | | 19.5 | 0 | 0 | 20.0 | 0 | 0 |
| 11 Aug | 20.5 | 0 | 0 | 20.5 | 0 | 0 | | 21.0 | 0 | 0 | 20.0 | 0 | 1 |
| 12 Aug | 20.0 | 0 | 0 | 20.5 | 0 | 0 | | 21.5 | 0 | 2 | 0.9 | 0 | 0 |
| 13 Aug | 19.5 | 0 | 0 | 21.5 | 0 | 0 | | 19.5 | 0 | 0 | 22.0 | 3 | 0 |
| 14 Aug | 20.5 | 0 | 0 | 20.0 | 0 | 1 | | 20.0 | 1 | 0 | 20.5 | 1 | 2 |

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| Middle Mouth Drift Gillnet Sites | | | | | | | | | | | | |
|----------------------------------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|
| Date | Site 1 | | | | | | Site 2 | | | | | |
| | Morning Drifts | | | Evening Drifts | | | Morning Drifts | | | Evening Drifts | | |
| | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | |
| | | Fall Chum | Coho |
| 15 Aug | 20.5 | 0 | 4 | 19.5 | 0 | 0 | 20.0 | 1 | 2 | 20.5 | 0 | 0 |
| 16 Aug | 20.5 | 10 | 3 | 24.0 | 48 | 3 | – | – | – | 8.0 | 0 | 0 |
| 17 Aug | 19.5 | 37 | 7 | 13.0 | 18 | 14 | 14.5 | 17 | 5 | 16.0 | 22 | 5 |
| 18 Aug | 14.5 | 4 | 0 | – | – | – | a | 17.5 | 11 | 3 | – | – |
| 19 Aug | 20.0 | 3 | 0 | 20.0 | 6 | 10 | 19.5 | 23 | 3 | 17.0 | 9 | 9 |
| 20 Aug | 22.5 | 10 | 11 | – | – | – | a | 21.5 | 8 | 13 | – | – |
| 21 Aug | 17.0 | 0 | 0 | 20.0 | 1 | 1 | – | – | – | b | 17.5 | 0 |
| 22 Aug | 21.0 | 6 | 1 | 20.0 | 3 | 0 | 20.0 | 1 | 2 | 20.5 | 7 | 2 |
| 23 Aug | 19.5 | 0 | 0 | – | – | – | a | 19.5 | 6 | 5 | – | – |
| 24 Aug | 20.0 | 1 | 1 | 21.0 | 1 | 1 | 11.5 | 0 | 0 | 20.0 | 0 | 0 |
| 25 Aug | 20.0 | 0 | 0 | 20.5 | 2 | 0 | 15.0 | 1 | 0 | 21.0 | 0 | 0 |
| 26 Aug | 20.0 | 2 | 0 | 19.5 | 1 | 2 | 20.0 | 0 | 0 | 20.0 | 3 | 0 |
| 27 Aug | 20.0 | 0 | 2 | – | – | – | a | 20.5 | 5 | 3 | – | – |
| 28 Aug | 19.5 | 1 | 1 | 39.5 | 10 | 1 | 22.0 | 12 | 0 | 19.5 | 9 | 4 |
| 29 Aug | 19.5 | 6 | 4 | 19.5 | 6 | 3 | 19.5 | 17 | 1 | 19.5 | 9 | 4 |
| 30 Aug | – | – | – | a | – | – | – | – | – | a | – | – |
| 31 Aug | 19.5 | 2 | 0 | 19.5 | 4 | 0 | 19.5 | 2 | 1 | 19.5 | 5 | 1 |
| 1 Sep | 19.5 | 12 | 4 | 19.5 | 7 | 9 | 19.5 | 23 | 2 | 19.5 | 18 | 20 |
| 2 Sep | 19.5 | 1 | 11 | 19.5 | 0 | 12 | 19.5 | 8 | 3 | 19.5 | 0 | 4 |
| 3 Sep | 19.5 | 3 | 1 | 19.5 | 10 | 10 | 19.5 | 4 | 2 | 19.5 | 8 | 2 |
| 4 Sep | 19.5 | 1 | 14 | – | – | – | b | 19.5 | 5 | 4 | – | – |
| 5 Sep | 19.5 | 0 | 3 | – | – | – | b | 19.5 | 1 | 0 | – | – |
| 6 Sep | 19.5 | 2 | 13 | 19.5 | 1 | 6 | 19.5 | 0 | 3 | 19.5 | 0 | 0 |
| 7 Sep | 19.5 | 0 | 4 | 19.5 | 1 | 1 | 19.5 | 1 | 1 | 19.5 | 0 | 0 |
| 8 Sep | 24.5 | 1 | 3 | 24.5 | 0 | 4 | 24.5 | 1 | 2 | 24.5 | 1 | 2 |
| 9 Sep | 24.5 | 0 | 1 | 24.5 | 0 | 1 | 24.5 | 1 | 1 | 24.5 | 0 | 2 |
| 10 Sep | 24.5 | 0 | 0 | 24.5 | 1 | 1 | 24.5 | 0 | 3 | 24.5 | 0 | 0 |
| 11 Sep | 22.5 | 0 | 2 | 22.5 | 0 | 2 | 22.5 | 2 | 3 | 22.5 | 0 | 3 |

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| Date | Middle Mouth Drift Gillnet Sites | | | | | | | | | | | |
|---------------|----------------------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|------|--------------------|--------------|--------------|
| | Site 1 | | | | | | Site 2 | | | | | |
| | Morning Drifts | | | Evening Drifts | | | Morning Drifts | | | Evening Drifts | | |
| | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | | Fishing Time (min) | Salmon Catch | |
| | | Fall | Chum | | Fall | Chum | | Fall | Chum | | Fall | Chum |
| | | Chum | Coho | | Chum | Coho | | Chum | Coho | | Chum | Coho |
| 12 Sep | 22.5 | 0 | 0 | 20.0 | 0 | 0 | 22.5 | 1 | 3 | 20.0 | 0 | 0 |
| 13 Sep | 22.5 | 0 | 7 | 22.5 | 0 | 0 | 22.5 | 0 | 4 | 22.5 | 1 | 12 |
| 14 Sep | 22.5 | 0 | 3 | 22.5 | 0 | 0 | 22.5 | 0 | 4 | 22.5 | 2 | 1 |
| 15 Sep | 22.5 | 0 | 3 | 22.5 | 0 | 0 | 22.5 | 0 | 1 | 22.5 | 0 | 0 |
| 16 Sep | – | – | – | ^b | 22.5 | 0 | 5 | – | – | 22.0 | 0 | 1 |
| 17 Sep | – | – | – | ^b | 22.5 | 0 | 2 | – | – | 22.5 | 0 | 3 |
| 18 Sep | 22.5 | 0 | 0 | 22.5 | 0 | 0 | 22.5 | 0 | 0 | 22.5 | 0 | 0 |
| 19 Sep | 22.5 | 0 | 0 | 22.5 | 0 | 0 | 22.5 | 0 | 0 | 22.5 | 0 | 1 |
| 20 Sep | – | – | – | ^d | – | – | – | – | – | – | – | ^d |
| Drift Average | 20.3 | | | 20.6 | | | 20.1 | | | 19.7 | | |
| SD | 1.7 | | | 4.3 | | | 2.6 | | | 3.9 | | |
| Total Catch | | 209 | 108 | | 188 | 97 | | 348 | 82 | | 207 | 88 |

Note: Gear is 6-inch stretch mesh, 35 meshes deep, and 50 fathoms long, unless otherwise noted. In 2012, the Alaska Department of Fish and Game ceased operation of project on 28 August. Kwik’pak Fisheries and Yukon Delta Fisheries Development Association personnel assumed Lower Yukon test fishery operations through 20 September.

^a Drifts cancelled due to commercial period.

^b Drifts cancelled due to hazardous weather.

^c Only fished 25 fathoms of gear.

^d Drifts cancelled with no documented reason.

Appendix C3.—Species captured, retained, and released during in the fall season Lower Yukon drift gillnet test fishery, Yukon River, 2012.

| Species | Total | |
|---------------------------|-----------|------|
| | Fall Chum | Coho |
| Fish released alive | 0 | 0 |
| | | 3 |
| Test fish sales | 74 | 9 |
| Fish discarded | 0 | 0 |
| | | 5 |
| Test fish donated locally | 1,824 | 4 |
| | | 5 |
| Total catch | 1,898 | 43 |

Note: Information is not available by station (Big Eddy or Middle Mouth).

APPENDIX D: HISTORICAL DAILY AND CUMULATIVE CATCH PER UNIT EFFORT

Appendix D1.—Historical daily and cumulative catch per unit effort (CPUE) for fall chum salmon at Big Eddy and Middle Mouth sites combined, Yukon River, 2001–2012.

| Date | 2001 | | | 2002 | | | 2003 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 21.28 | 0.02 | 21.28 | 0.79 | 0.00 | 0.79 | 25.78 | 0.02 | 25.78 |
| 17 Jul | 149.66 | 0.13 | 170.94 | 11.03 | 0.01 | 11.82 | 20.68 | 0.04 | 46.46 |
| 18 Jul | 139.21 | 0.23 | 310.14 | 0.00 | 0.01 | 11.82 | 1.50 | 0.04 | 47.96 |
| 19 Jul | 27.38 | 0.25 | 337.52 | 3.01 | 0.02 | 14.82 | 1.84 | 0.04 | 49.79 |
| 20 Jul | 1.50 | 0.26 | 339.02 | 0.00 | 0.02 | 14.82 | 1.58 | 0.04 | 51.37 |
| 21 Jul | 3.00 | 0.26 | 342.02 | 0.73 | 0.02 | 15.55 | 24.23 | 0.06 | 75.60 |
| 22 Jul | 6.31 | 0.26 | 348.32 | 0.00 | 0.02 | 15.55 | 41.50 | 0.09 | 117.10 |
| 23 Jul | 50.64 | 0.30 | 398.96 | 0.00 | 0.02 | 15.55 | 15.10 | 0.11 | 132.19 |
| 24 Jul | 64.87 | 0.35 | 463.83 | 0.00 | 0.02 | 15.55 | 9.75 | 0.11 | 141.94 |
| 25 Jul | 31.44 | 0.37 | 495.27 | 54.30 | 0.09 | 69.85 | 2.29 | 0.12 | 144.23 |
| 26 Jul | 4.25 | 0.38 | 499.52 | 3.27 | 0.09 | 73.12 | 6.61 | 0.12 | 150.84 |
| 27 Jul | 11.33 | 0.39 | 510.85 | 9.29 | 0.10 | 82.41 | 84.82 | 0.19 | 235.66 |
| 28 Jul | 4.62 | 0.39 | 515.46 | 35.28 | 0.14 | 117.69 | 25.61 | 0.21 | 261.27 |
| 29 Jul | 0.77 | 0.39 | 516.23 | 32.18 | 0.18 | 149.86 | 17.68 | 0.22 | 278.94 |
| 30 Jul | 7.54 | 0.39 | 523.77 | 1.54 | 0.19 | 151.40 | 1.59 | 0.22 | 280.53 |
| 31 Jul | 95.32 | 0.47 | 619.09 | 0.00 | 0.19 | 151.40 | 0.84 | 0.23 | 281.36 |
| 1 Aug | 43.12 | 0.50 | 662.20 | 15.57 | 0.20 | 166.97 | 4.83 | 0.23 | 286.19 |
| 2 Aug | 114.07 | 0.59 | 776.27 | 1.54 | 0.21 | 168.51 | 0.75 | 0.23 | 286.94 |
| 3 Aug | 101.86 | 0.66 | 878.13 | 5.84 | 0.21 | 174.35 | 203.48 | 0.39 | 490.42 |
| 4 Aug | 22.58 | 0.68 | 900.71 | 0.77 | 0.21 | 175.12 | 179.98 | 0.54 | 670.40 |
| 5 Aug | 7.00 | 0.68 | 907.70 | 0.79 | 0.22 | 175.91 | 15.99 | 0.55 | 686.38 |
| 6 Aug | 100.73 | 0.76 | 1,008.43 | 0.00 | 0.22 | 175.91 | 1.54 | 0.55 | 687.92 |
| 7 Aug | 136.78 | 0.86 | 1,145.20 | 18.10 | 0.24 | 194.01 | 0.00 | 0.55 | 687.92 |
| 8 Aug | 32.57 | 0.89 | 1,177.77 | 16.55 | 0.26 | 210.55 | 0.00 | 0.55 | 687.92 |
| 9 Aug | 19.44 | 0.90 | 1,197.21 | 95.72 | 0.38 | 306.27 | 2.85 | 0.55 | 690.77 |
| 10 Aug | 16.23 | 0.91 | 1,213.43 | 49.88 | 0.44 | 356.15 | 25.26 | 0.57 | 716.03 |
| 11 Aug | 2.91 | 0.92 | 1,216.34 | 19.38 | 0.46 | 375.52 | 3.09 | 0.58 | 719.11 |
| 12 Aug | 26.21 | 0.94 | 1,242.55 | 23.14 | 0.49 | 398.66 | 65.33 | 0.63 | 784.44 |
| 13 Aug | 27.06 | 0.96 | 1,269.61 | 20.94 | 0.51 | 419.60 | 0.00 | 0.63 | 784.44 |
| 14 Aug | 17.26 | 0.97 | 1,286.87 | 7.08 | 0.52 | 426.67 | 55.12 | 0.67 | 839.56 |
| 15 Aug | 11.23 | 0.98 | 1,298.10 | 18.65 | 0.55 | 445.32 | 259.41 | 0.88 | 1,098.97 |
| 16 Aug | 3.76 | 0.98 | 1,301.86 | 284.72 | 0.89 | 730.03 | 48.76 | 0.92 | 1,147.73 |
| 17 Aug | 1.56 | 0.98 | 1,303.42 | 38.44 | 0.94 | 768.47 | 12.61 | 0.93 | 1,160.34 |
| 18 Aug | 2.29 | 0.98 | 1,305.71 | 12.06 | 0.96 | 780.53 | 4.72 | 0.93 | 1,165.06 |
| 19 Aug | 0.00 | 0.98 | 1,305.71 | 6.68 | 0.96 | 787.20 | 0.00 | 0.93 | 1,165.06 |
| 20 Aug | 2.33 | 0.99 | 1,308.04 | 2.85 | 0.97 | 790.05 | 2.33 | 0.93 | 1,167.39 |
| 21 Aug | 13.83 | 1.00 | 1,321.87 | 5.66 | 0.97 | 795.71 | 3.92 | 0.94 | 1,171.31 |
| 22 Aug | 3.75 | 1.00 | 1,325.62 | 13.04 | 0.99 | 808.75 | 21.23 | 0.95 | 1,192.53 |
| 23 Aug | 0.00 | 1.00 | 1,325.62 | 3.95 | 1.00 | 812.70 | 34.13 | 0.98 | 1,226.66 |
| 24 Aug | 0.77 | 1.00 | 1,326.39 | 0.00 | 1.00 | 812.70 | 17.16 | 1.00 | 1,243.82 |
| 25 Aug | 0.00 | 1.00 | 1,326.39 | 0.00 | 1.00 | 812.70 | 3.00 | 1.00 | 1,246.82 |
| 26 Aug | 0.00 | 1.00 | 1,326.39 | 0.00 | 1.00 | 812.70 | 2.33 | 1.00 | 1,249.15 |
| 27 Aug | 0.00 | 1.00 | 1,326.39 | 0.79 | 1.00 | 813.49 | 0.00 | 1.00 | 1,249.15 |
| 28 Aug | 0.00 | 1.00 | 1,326.39 | 3.08 | 1.00 | 816.57 | 0.00 | 1.00 | 1,249.15 |
| 29 Aug | | | 1,326.39 | | | 816.57 | | | 1,249.15 |
| Totals | 1,326.39 | | | 816.57 | | | 1,249.15 | | |

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| Date | 2004 | | | 2005 | | | 2006 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 11.22 | 0.00 | 11.22 | 69.62 | 0.06 | 69.62 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 14.11 | 0.01 | 25.33 | 9.65 | 0.07 | 79.27 |
| 18 Jul | 0.72 | 0.00 | 0.72 | 231.72 | 0.11 | 257.04 | 3.81 | 0.07 | 83.08 |
| 19 Jul | 48.07 | 0.06 | 48.79 | 99.31 | 0.15 | 356.35 | 0.86 | 0.07 | 83.93 |
| 20 Jul | 15.96 | 0.09 | 64.74 | 22.54 | 0.16 | 378.89 | 0.00 | 0.07 | 83.93 |
| 21 Jul | 19.89 | 0.11 | 84.63 | 2.24 | 0.16 | 381.12 | 11.79 | 0.08 | 95.72 |
| 22 Jul | 5.28 | 0.12 | 89.90 | 0.86 | 0.16 | 381.98 | 2.25 | 0.09 | 97.97 |
| 23 Jul | 1.60 | 0.12 | 91.50 | 0.72 | 0.16 | 382.69 | 0.75 | 0.09 | 98.72 |
| 24 Jul | 0.77 | 0.12 | 92.27 | 1.40 | 0.16 | 384.09 | 2.33 | 0.09 | 101.05 |
| 25 Jul | 0.75 | 0.12 | 93.02 | 0.77 | 0.16 | 384.86 | 7.24 | 0.09 | 108.29 |
| 26 Jul | 5.11 | 0.13 | 98.13 | 3.79 | 0.17 | 388.65 | 0.00 | 0.09 | 108.29 |
| 27 Jul | 1.55 | 0.13 | 99.68 | 2.22 | 0.17 | 390.86 | 77.34 | 0.16 | 185.63 |
| 28 Jul | 0.00 | 0.13 | 99.68 | 5.39 | 0.17 | 396.25 | 89.31 | 0.24 | 274.94 |
| 29 Jul | 0.73 | 0.13 | 100.41 | 123.99 | 0.22 | 520.24 | 81.91 | 0.31 | 356.84 |
| 30 Jul | 0.00 | 0.13 | 100.41 | 42.22 | 0.24 | 562.46 | 87.06 | 0.39 | 443.90 |
| 31 Jul | 6.89 | 0.14 | 107.29 | 473.54 | 0.44 | 1,036.00 | 33.20 | 0.41 | 477.10 |
| 1 Aug | 146.73 | 0.34 | 254.02 | 34.74 | 0.46 | 1,070.73 | 47.63 | 0.46 | 524.72 |
| 2 Aug | 74.50 | 0.43 | 328.52 | 0.75 | 0.46 | 1,071.48 | 18.48 | 0.47 | 543.20 |
| 3 Aug | 18.10 | 0.46 | 346.62 | 2.95 | 0.46 | 1,074.43 | 2.39 | 0.47 | 545.58 |
| 4 Aug | 12.06 | 0.47 | 358.68 | 0.75 | 0.46 | 1,075.18 | 2.74 | 0.48 | 548.32 |
| 5 Aug | 2.22 | 0.48 | 360.89 | 124.68 | 0.51 | 1,199.85 | 11.99 | 0.49 | 560.31 |
| 6 Aug | 3.79 | 0.48 | 364.68 | 256.76 | 0.62 | 1,456.61 | 28.36 | 0.51 | 588.66 |
| 7 Aug | 2.27 | 0.49 | 366.95 | 105.32 | 0.67 | 1,561.92 | 12.78 | 0.52 | 601.44 |
| 8 Aug | 59.62 | 0.56 | 426.57 | 52.04 | 0.69 | 1,613.96 | 9.07 | 0.53 | 610.51 |
| 9 Aug | 51.31 | 0.63 | 477.88 | 19.47 | 0.70 | 1,633.43 | 3.79 | 0.53 | 614.30 |
| 10 Aug | 16.64 | 0.65 | 494.52 | 12.46 | 0.70 | 1,645.89 | 0.00 | 0.53 | 614.30 |
| 11 Aug | 1.54 | 0.66 | 496.06 | 20.90 | 0.71 | 1,666.79 | 1.50 | 0.54 | 615.80 |
| 12 Aug | 0.00 | 0.66 | 496.06 | 7.97 | 0.72 | 1,674.76 | 185.14 | 0.70 | 800.93 |
| 13 Aug | 2.52 | 0.66 | 498.58 | 3.03 | 0.72 | 1,677.78 | 31.52 | 0.72 | 832.45 |
| 14 Aug | 24.61 | 0.69 | 523.19 | 30.03 | 0.73 | 1,707.81 | 7.90 | 0.73 | 840.34 |
| 15 Aug | 10.44 | 0.71 | 533.63 | 17.94 | 0.74 | 1,725.75 | 36.98 | 0.76 | 877.32 |
| 16 Aug | 0.00 | 0.71 | 533.63 | 6.63 | 0.74 | 1,732.37 | 11.03 | 0.77 | 888.35 |
| 17 Aug | 2.12 | 0.71 | 535.75 | 13.04 | 0.75 | 1,745.41 | 32.06 | 0.80 | 920.40 |
| 18 Aug | 1.47 | 0.71 | 537.21 | 71.54 | 0.78 | 1,816.94 | 15.14 | 0.81 | 935.54 |
| 19 Aug | 0.00 | 0.71 | 537.21 | 69.99 | 0.81 | 1,886.93 | 92.10 | 0.89 | 1,027.64 |
| 20 Aug | 119.04 | 0.87 | 656.25 | 50.03 | 0.83 | 1,936.95 | 34.02 | 0.92 | 1,061.65 |
| 21 Aug | 20.35 | 0.90 | 676.60 | 43.27 | 0.85 | 1,980.22 | 7.77 | 0.93 | 1,069.42 |
| 22 Aug | 0.77 | 0.90 | 677.37 | 64.93 | 0.88 | 2,045.15 | 0.84 | 0.93 | 1,070.25 |
| 23 Aug | 0.00 | 0.90 | 677.37 | 128.61 | 0.93 | 2,173.75 | 20.95 | 0.95 | 1,091.20 |
| 24 Aug | 5.81 | 0.90 | 683.18 | 58.17 | 0.95 | 2,231.92 | 15.48 | 0.96 | 1,106.68 |
| 25 Aug | 10.32 | 0.92 | 693.50 | 30.22 | 0.97 | 2,262.14 | 2.50 | 0.96 | 1,109.18 |
| 26 Aug | 17.81 | 0.94 | 711.31 | 18.25 | 0.98 | 2,280.39 | 5.00 | 0.97 | 1,114.18 |
| 27 Aug | 44.26 | 1.00 | 755.56 | 11.45 | 0.98 | 2,291.84 | 27.47 | 0.99 | 1,141.64 |
| 28 Aug | | | 755.56 | 11.78 | 0.99 | 2,303.62 | 8.61 | 1.00 | 1,150.25 |
| 29 Aug | | | 755.56 | 33.59 | 1.00 | 2,337.21 | | | 1,150.25 |
| Totals | 755.56 | | | 2,337.21 | | | 1,150.25 | | |

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| Date | 2007 | | | 2008 | | | 2009 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 4.35 | 0.00 | 4.35 | 3.86 | 0.00 | 3.86 | 4.50 | 0.01 | 4.50 |
| 17 Jul | 8.73 | 0.01 | 13.08 | 7.70 | 0.01 | 11.55 | 4.43 | 0.02 | 8.93 |
| 18 Jul | 2.27 | 0.02 | 15.35 | 2.25 | 0.02 | 13.80 | 3.04 | 0.03 | 11.97 |
| 19 Jul | 0.79 | 0.02 | 16.14 | 0.00 | 0.02 | 13.80 | 1.52 | 0.04 | 13.49 |
| 20 Jul | 3.32 | 0.02 | 19.45 | 0.00 | 0.02 | 13.80 | 0.00 | 0.04 | 13.49 |
| 21 Jul | 3.02 | 0.02 | 22.47 | 9.28 | 0.03 | 23.08 | 0.77 | 0.04 | 14.26 |
| 22 Jul | 0.00 | 0.02 | 22.47 | 7.79 | 0.04 | 30.87 | 0.00 | 0.04 | 14.26 |
| 23 Jul | 0.00 | 0.02 | 22.47 | 7.99 | 0.05 | 38.86 | 2.97 | 0.05 | 17.24 |
| 24 Jul | 0.73 | 0.02 | 23.20 | 11.09 | 0.06 | 49.94 | 0.00 | 0.05 | 17.24 |
| 25 Jul | 0.00 | 0.02 | 23.20 | 9.08 | 0.07 | 59.02 | 1.80 | 0.05 | 19.04 |
| 26 Jul | 0.73 | 0.02 | 23.93 | 8.49 | 0.08 | 67.51 | 0.75 | 0.05 | 19.79 |
| 27 Jul | 0.77 | 0.02 | 24.70 | 39.00 | 0.13 | 106.50 | 1.54 | 0.06 | 21.33 |
| 28 Jul | 3.73 | 0.03 | 28.44 | 37.23 | 0.18 | 143.73 | 0.00 | 0.06 | 21.33 |
| 29 Jul | 0.00 | 0.03 | 28.44 | 2.29 | 0.18 | 146.02 | 0.75 | 0.06 | 22.08 |
| 30 Jul | 0.77 | 0.03 | 29.20 | 35.28 | 0.22 | 181.30 | 22.33 | 0.12 | 44.41 |
| 31 Jul | 0.00 | 0.03 | 29.20 | 72.10 | 0.31 | 253.40 | 18.01 | 0.17 | 62.42 |
| 1 Aug | 0.00 | 0.03 | 29.20 | 32.59 | 0.35 | 285.98 | 2.23 | 0.18 | 64.65 |
| 2 Aug | 11.59 | 0.04 | 40.80 | 35.46 | 0.40 | 321.44 | 4.29 | 0.19 | 68.94 |
| 3 Aug | 13.14 | 0.05 | 53.94 | 19.94 | 0.42 | 341.37 | 1.52 | 0.19 | 70.45 |
| 4 Aug | 0.77 | 0.05 | 54.71 | 4.02 | 0.43 | 345.39 | 1.40 | 0.20 | 71.85 |
| 5 Aug | 0.73 | 0.06 | 55.44 | 2.92 | 0.43 | 348.30 | 6.00 | 0.21 | 77.85 |
| 6 Aug | 110.89 | 0.17 | 166.33 | 2.28 | 0.43 | 350.58 | 2.93 | 0.22 | 80.78 |
| 7 Aug | 137.18 | 0.30 | 303.51 | 15.28 | 0.45 | 365.86 | 14.97 | 0.26 | 95.75 |
| 8 Aug | 64.98 | 0.37 | 368.49 | 1.53 | 0.45 | 367.38 | 24.62 | 0.33 | 120.37 |
| 9 Aug | 3.02 | 0.37 | 371.51 | 1.54 | 0.46 | 368.92 | 57.02 | 0.49 | 177.39 |
| 10 Aug | 2.93 | 0.38 | 374.44 | 0.75 | 0.46 | 369.67 | 26.10 | 0.56 | 203.49 |
| 11 Aug | 9.27 | 0.39 | 383.71 | 0.77 | 0.46 | 370.44 | 2.20 | 0.57 | 205.69 |
| 12 Aug | 92.70 | 0.48 | 476.41 | 8.95 | 0.47 | 379.39 | 4.60 | 0.58 | 210.28 |
| 13 Aug | 149.66 | 0.63 | 626.07 | 209.31 | 0.73 | 588.69 | 1.52 | 0.58 | 211.80 |
| 14 Aug | 32.54 | 0.66 | 658.61 | 32.23 | 0.77 | 620.92 | 1.48 | 0.59 | 213.28 |
| 15 Aug | 7.11 | 0.67 | 665.72 | 7.80 | 0.78 | 628.72 | 3.19 | 0.60 | 216.47 |
| 16 Aug | 8.49 | 0.68 | 674.22 | 7.54 | 0.79 | 636.26 | 14.54 | 0.64 | 231.01 |
| 17 Aug | 7.60 | 0.68 | 681.81 | 0.00 | 0.79 | 636.26 | 6.34 | 0.65 | 237.36 |
| 18 Aug | 5.87 | 0.69 | 687.69 | 3.63 | 0.79 | 639.88 | 4.36 | 0.67 | 241.72 |
| 19 Aug | 8.05 | 0.70 | 695.74 | 6.50 | 0.80 | 646.38 | 53.98 | 0.81 | 295.71 |
| 20 Aug | 1.58 | 0.70 | 697.32 | 1.62 | 0.80 | 648.00 | 16.92 | 0.86 | 312.62 |
| 21 Aug | 0.86 | 0.70 | 698.18 | 2.27 | 0.80 | 650.27 | 4.62 | 0.87 | 317.24 |
| 22 Aug | 0.73 | 0.70 | 698.91 | 30.31 | 0.84 | 680.58 | 13.31 | 0.91 | 330.55 |
| 23 Aug | 10.19 | 0.71 | 709.10 | 5.89 | 0.85 | 686.47 | 4.54 | 0.92 | 335.09 |
| 24 Aug | 93.02 | 0.81 | 802.12 | 9.36 | 0.86 | 695.82 | 4.36 | 0.94 | 339.44 |
| 25 Aug | 96.78 | 0.90 | 898.90 | 26.95 | 0.89 | 722.77 | 0.75 | 0.94 | 340.19 |
| 26 Aug | 28.48 | 0.93 | 927.38 | 49.94 | 0.95 | 772.71 | 11.83 | 0.97 | 352.02 |
| 27 Aug | 4.62 | 0.94 | 932.00 | 33.48 | 1.00 | 806.19 | 7.91 | 0.99 | 359.93 |
| 28 Aug | 64.27 | 1.00 | 996.27 | 3.83 | 1.00 | 810.02 | 3.04 | 1.00 | 362.97 |
| 29 Aug | | | 996.27 | | | 810.02 | | 1.00 | 362.97 |
| Totals | 996.27 | | | 810.02 | | | 362.97 | | |

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| Date | 2010 ^a | | | 2011 ^b | | | 2012 ^b | | | 2001–2011 Median | | |
|--------|-------------------|----------|-----------------|-------------------|------|-----------------|-------------------|------|-----------------|------------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 15.82 | 0.01 | 15.82 | 17.06 | 0.01 | 17.06 | 29.90 | 0.02 | 29.90 | 11.22 | 0.01 | 11.22 |
| 17 Jul | 28.41 | 0.04 | 44.23 | 107.12 | 0.06 | 124.18 | 131.16 | 0.09 | 161.06 | 11.03 | 0.02 | 25.33 |
| 18 Jul | 84.79 | 0.11 | 129.02 | 43.68 | 0.08 | 167.86 | 75.53 | 0.13 | 236.59 | 3.04 | 0.04 | 47.96 |
| 19 Jul | 47.19 | 0.15 | 176.21 | 20.06 | 0.09 | 187.92 | 124.62 | 0.19 | 361.21 | 3.01 | 0.06 | 49.79 |
| 20 Jul | 11.76 | 0.16 | 187.98 | 4.74 | 0.10 | 192.66 | 22.23 | 0.21 | 383.44 | 1.58 | 0.07 | 64.74 |
| 21 Jul | 3.66 | 0.16 | 191.64 | 1.58 | 0.10 | 194.24 | 4.58 | 0.21 | 388.01 | 3.02 | 0.08 | 84.63 |
| 22 Jul | 1.52 | 0.16 | 193.16 | 0.00 | 0.10 | 194.24 | 17.54 | 0.22 | 405.56 | 1.52 | 0.09 | 97.97 |
| 23 Jul | 31.87 | 0.19 | 225.03 | 0.00 | 0.10 | 194.24 | 27.03 | 0.23 | 432.59 | 1.60 | 0.10 | 98.72 |
| 24 Jul | 16.51 | 0.20 | 241.53 | 6.00 | 0.10 | 200.24 | 5.05 | 0.23 | 437.64 | 2.33 | 0.10 | 101.05 |
| 25 Jul | 11.67 | 0.21 | 253.20 | 0.00 | 0.10 | 200.24 | 61.74 | 0.27 | 499.38 | 2.29 | 0.10 | 108.29 |
| 26 Jul | 2.27 | 0.21 | 255.47 | 29.25 | 0.11 | 229.49 | 114.14 | 0.33 | 613.52 | 3.79 | 0.11 | 108.29 |
| 27 Jul | 4.69 | 0.21 | 260.16 | 13.13 | 0.12 | 242.62 | 48.01 | 0.35 | 661.53 | 9.29 | 0.13 | 185.63 |
| 28 Jul | 23.05 | 0.23 | 283.21 | 69.01 | 0.15 | 311.63 | 27.34 | 0.37 | 688.88 | 23.05 | 0.17 | 261.27 |
| 29 Jul | 28.04 | 0.26 | 311.25 | 79.12 | 0.19 | 390.75 | 8.94 | 0.37 | 697.82 | 17.68 | 0.19 | 278.94 |
| 30 Jul | 5.58 | 0.26 | 316.83 | 238.29 | 0.31 | 629.05 | 0.00 | 0.37 | 697.82 | 7.54 | 0.22 | 280.53 |
| 31 Jul | 4.86 | 0.27 | 321.69 | 136.76 | 0.38 | 765.80 | 95.08 | 0.42 | 792.90 | 18.01 | 0.27 | 281.36 |
| 1 Aug | 2.36 | 0.27 | 324.04 | 62.72 | 0.41 | 828.52 | 30.13 | 0.44 | 823.03 | 32.59 | 0.34 | 286.19 |
| 2 Aug | 0.71 | 0.27 | 324.76 | 23.57 | 0.42 | 852.09 | 14.67 | 0.45 | 837.70 | 11.59 | 0.40 | 324.76 |
| 3 Aug | 20.65 | 0.29 | 345.41 | 12.56 | 0.43 | 864.66 | 6.73 | 0.45 | 844.43 | 13.14 | 0.42 | 346.62 |
| 4 Aug | 0.71 | 0.29 | 346.12 | 0.00 | 0.43 | 864.66 | 100.35 | 0.51 | 944.78 | 1.40 | 0.43 | 358.68 |
| 5 Aug | 0.73 | 0.29 | 346.85 | 86.67 | 0.47 | 951.33 | 203.66 | 0.62 | 1,148.44 | 6.00 | 0.47 | 360.89 |
| 6 Aug | 130.12 | 0.39 | 476.97 | 70.72 | 0.51 | 1,022.05 | 8.86 | 0.62 | 1,157.30 | 28.36 | 0.48 | 476.97 |
| 7 Aug | 18.71 | 0.41 | 495.69 | 59.83 | 0.54 | 1,081.88 | 8.96 | 0.63 | 1,166.26 | 18.10 | 0.49 | 495.69 |
| 8 Aug | 0.00 | 0.41 | 495.69 | 8.63 | 0.54 | 1,090.51 | 34.13 | 0.64 | 1,200.39 | 16.55 | 0.53 | 495.69 |
| 9 Aug | 62.82 | 0.46 | 558.51 | 18.15 | 0.55 | 1,108.66 | 29.84 | 0.66 | 1,230.23 | 19.44 | 0.53 | 558.51 |
| 10 Aug | 136.27 | 0.57 | 694.78 | 7.48 | 0.55 | 1,116.14 | 0.77 | 0.66 | 1,231.00 | 16.23 | 0.56 | 614.30 |
| 11 Aug | 14.41 | 0.59 | 709.20 | 1.50 | 0.55 | 1,117.64 | 0.77 | 0.66 | 1,231.77 | 2.91 | 0.57 | 615.80 |
| 12 Aug | 4.20 | 0.59 | 713.39 | 19.80 | 0.56 | 1,137.44 | 1.54 | 0.66 | 1,233.30 | 19.80 | 0.59 | 713.39 |
| 13 Aug | 5.11 | 0.59 | 718.50 | 75.01 | 0.60 | 1,212.46 | 8.79 | 0.67 | 1,242.10 | 20.94 | 0.63 | 718.50 |
| 14 Aug | 0.75 | 0.59 | 719.25 | 72.36 | 0.64 | 1,284.81 | 2.23 | 0.67 | 1,244.33 | 24.61 | 0.67 | 719.25 |
| 15 Aug | – | 0.59 | 719.25 | 125.80 | 0.70 | 1,410.61 | 1.52 | 0.67 | 1,245.85 | 14.59 | 0.71 | 719.25 |
| 16 Aug | 200.98 | 0.76 | 920.23 | 4.66 | 0.70 | 1,415.27 | 311.44 | 0.83 | 1,557.29 | 8.49 | 0.76 | 888.35 |
| 17 Aug | 94.76 | 0.84 | 1,014.99 | 5.04 | 0.70 | 1,420.31 | 150.65 | 0.92 | 1,707.94 | 7.60 | 0.79 | 920.40 |
| 18 Aug | 54.59 | 0.88 | 1,069.58 | 2.93 | 0.70 | 1,423.24 | 29.80 | 0.93 | 1,737.74 | 4.72 | 0.79 | 935.54 |
| 19 Aug | 46.55 | 0.92 | 1,116.13 | 38.61 | 0.72 | 1,461.85 | 35.38 | 0.95 | 1,773.12 | 8.05 | 0.81 | 1,027.64 |
| 20 Aug | 8.28 | 0.93 | 1,124.41 | 197.89 | 0.82 | 1,659.74 | 26.03 | 0.96 | 1,799.16 | 8.28 | 0.87 | 1,061.65 |
| 21 Aug | 3.77 | 0.93 | 1,128.18 | 277.97 | 0.96 | 1,937.70 | 2.58 | 0.97 | 1,801.73 | 5.66 | 0.93 | 1,069.42 |
| 22 Aug | 11.62 | 0.94 | 1,139.80 | 28.02 | 0.97 | 1,965.73 | 14.74 | 0.97 | 1,816.47 | 13.04 | 0.93 | 1,070.25 |
| 23 Aug | 36.64 | 0.97 | 1,176.44 | 7.95 | 0.98 | 1,973.68 | 9.23 | 0.98 | 1,825.70 | 7.95 | 0.95 | 1,091.20 |
| 24 Aug | 19.87 | 0.99 | 1,196.31 | 7.37 | 0.98 | 1,981.05 | 3.77 | 0.98 | 1,829.47 | 9.36 | 0.96 | 1,106.68 |
| 25 Aug | 3.06 | 0.99 | 1,199.36 | 14.29 | 0.99 | 1,995.34 | 4.71 | 0.98 | 1,834.19 | 3.06 | 0.97 | 1,109.18 |
| 26 Aug | 1.58 | 0.99 | 1,200.94 | 10.41 | 0.99 | 2,005.75 | 4.52 | 0.99 | 1,838.71 | 10.41 | 0.98 | 1,114.18 |
| 27 Aug | 3.75 | 0.99 | 1,204.69 | 6.60 | 1.00 | 2,012.35 | 7.32 | 0.99 | 1,846.02 | 6.60 | 1.00 | 1,141.64 |
| 28 Aug | 7.00 | 1.00 | 1,211.69 | 7.25 | 1.00 | 2,019.60 | 19.67 | 1.00 | 1,865.22 | 5.41 | 1.00 | 1,150.25 |
| 29 Aug | Totals | 1,211.69 | | 2,019.60 | | | 1,865.69 | | | 1,150.25 | | |

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Note: The box indicates the first quartile to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. Dark bands indicate the historical median quartile passage dates. Differences in the termination dates of the project confound computation of the cumulative percent and median as a convenience; the historical daily cumulative and median were computed by assuming that 100% of the run was completed on the date of project termination.

- ^a The Lower Yukon test fishery operated through 15 September in 2010. Percent and quartiles reflect CPUE through 28 August for comparison to past years.
- ^b The Lower Yukon test fishery operated through 20 September in 2011 and 2012. Percent and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix D2.—Historical and daily and cumulative catch per unit effort (CPUE) for fall chum salmon, Big Eddy (Sites 1 and 2 and includes Site 3 in 2009), Yukon River, 2001–2012.

| Date | 2001 | | 2002 | | 2003 | |
|--------|------------|--------------|------------|--------------|------------|--------------|
| | Daily CPUE | Cumulative % | Daily CPUE | Cumulative % | Daily CPUE | Cumulative % |
| 16 Jul | 37.62 | 0.03 | 37.62 | 1.58 | 0.00 | 1.58 |
| 17 Jul | 171.69 | 0.18 | 209.31 | 19.12 | 0.02 | 20.70 |
| 18 Jul | 72.24 | 0.24 | 281.55 | 0.00 | 0.02 | 20.70 |
| 19 Jul | 16.06 | 0.25 | 297.61 | 0.00 | 0.02 | 20.70 |
| 20 Jul | 0.00 | 0.25 | 297.61 | 0.00 | 0.02 | 20.70 |
| 21 Jul | 0.00 | 0.25 | 297.61 | 0.00 | 0.02 | 20.70 |
| 22 Jul | 8.11 | 0.26 | 305.72 | 0.00 | 0.02 | 20.70 |
| 23 Jul | 79.46 | 0.33 | 385.18 | 0.00 | 0.02 | 20.70 |
| 24 Jul | 36.00 | 0.36 | 421.18 | 0.00 | 0.02 | 20.70 |
| 25 Jul | 3.00 | 0.36 | 424.18 | 108.59 | 0.09 | 129.29 |
| 26 Jul | 1.50 | 0.36 | 425.68 | 3.24 | 0.10 | 132.53 |
| 27 Jul | 18.00 | 0.38 | 443.68 | 17.04 | 0.11 | 149.57 |
| 28 Jul | 7.65 | 0.39 | 451.33 | 69.02 | 0.16 | 218.59 |
| 29 Jul | 0.00 | 0.39 | 451.33 | 55.12 | 0.20 | 273.71 |
| 30 Jul | 12.00 | 0.40 | 463.33 | 0.00 | 0.20 | 273.71 |
| 31 Jul | 80.11 | 0.46 | 543.44 | 0.00 | 0.20 | 273.71 |
| 1 Aug | 7.78 | 0.47 | 551.22 | 28.06 | 0.22 | 301.77 |
| 2 Aug | 151.88 | 0.60 | 703.10 | 1.54 | 0.22 | 303.31 |
| 3 Aug | 64.58 | 0.66 | 767.68 | 8.68 | 0.23 | 311.99 |
| 4 Aug | 18.83 | 0.67 | 786.51 | 0.00 | 0.23 | 311.99 |
| 5 Aug | 12.41 | 0.68 | 798.92 | 1.58 | 0.23 | 313.57 |
| 6 Aug | 170.67 | 0.83 | 969.59 | 0.00 | 0.23 | 313.57 |
| 7 Aug | 100.47 | 0.91 | 1,070.06 | 34.65 | 0.26 | 348.22 |
| 8 Aug | 2.22 | 0.92 | 1,072.28 | 33.09 | 0.28 | 381.31 |
| 9 Aug | 11.79 | 0.93 | 1,084.07 | 183.93 | 0.41 | 565.24 |
| 10 Aug | 24.27 | 0.95 | 1,108.34 | 98.26 | 0.49 | 663.50 |
| 11 Aug | 1.36 | 0.95 | 1,109.70 | 30.97 | 0.51 | 694.47 |
| 12 Aug | 28.40 | 0.97 | 1,138.10 | 41.88 | 0.54 | 736.35 |
| 13 Aug | 3.62 | 0.97 | 1,141.72 | 23.25 | 0.56 | 759.60 |
| 14 Aug | 1.50 | 0.98 | 1,143.22 | 10.90 | 0.57 | 770.50 |
| 15 Aug | 0.00 | 0.98 | 1,143.22 | 37.29 | 0.59 | 807.79 |
| 16 Aug | 0.00 | 0.98 | 1,143.22 | 448.29 | 0.92 | 1,256.08 |
| 17 Aug | 1.58 | 0.98 | 1,144.80 | 44.46 | 0.95 | 1,300.54 |
| 18 Aug | 0.00 | 0.98 | 1,144.80 | 10.67 | 0.96 | 1,311.21 |
| 19 Aug | 0.00 | 0.98 | 1,144.80 | 6.32 | 0.97 | 1,317.53 |
| 20 Aug | 3.08 | 0.98 | 1,147.88 | 0.00 | 0.97 | 1,317.53 |
| 21 Aug | 21.95 | 1.00 | 1,169.83 | 8.28 | 0.97 | 1,325.81 |
| 22 Aug | 1.50 | 1.00 | 1,171.33 | 22.90 | 0.99 | 1,348.71 |
| 23 Aug | 0.00 | 1.00 | 1,171.33 | 6.40 | 0.99 | 1,355.11 |
| 24 Aug | 0.00 | 1.00 | 1,171.33 | 0.00 | 0.99 | 1,355.11 |
| 25 Aug | 0.00 | 1.00 | 1,171.33 | 0.00 | 0.99 | 1,355.11 |
| 26 Aug | 0.00 | 1.00 | 1,171.33 | 0.00 | 0.99 | 1,355.11 |
| 27 Aug | 0.00 | 1.00 | 1,171.33 | 1.58 | 1.00 | 1,356.69 |
| 28 Aug | 0.00 | 1.00 | 1,171.33 | 6.15 | 1.00 | 1,362.84 |
| 29 Aug | | | 1,171.33 | | | 1,362.84 |
| Total | 1,171.33 | | | 1,362.84 | | 1,371.06 |

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Appendix D2.–Page 2 of 5.

| Date | 2004 | | | 2005 | | | 2006 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 7.46 | 0.00 | 7.46 | 74.31 | 0.08 | 74.31 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 23.47 | 0.01 | 30.93 | 9.23 | 0.09 | 83.54 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 460.35 | 0.14 | 491.28 | 6.00 | 0.09 | 89.54 |
| 19 Jul | 62.73 | 0.12 | 62.73 | 185.00 | 0.19 | 676.28 | 0.00 | 0.09 | 89.54 |
| 20 Jul | 7.91 | 0.14 | 70.64 | 25.69 | 0.20 | 701.97 | 0.00 | 0.09 | 89.54 |
| 21 Jul | 16.62 | 0.17 | 87.26 | 1.43 | 0.20 | 703.40 | 20.19 | 0.12 | 109.73 |
| 22 Jul | 1.58 | 0.17 | 88.84 | 1.71 | 0.20 | 705.11 | 4.50 | 0.12 | 114.23 |
| 23 Jul | 1.58 | 0.17 | 90.42 | 0.00 | 0.20 | 705.11 | 1.50 | 0.12 | 115.73 |
| 24 Jul | 1.54 | 0.18 | 91.96 | 2.79 | 0.20 | 707.90 | 4.66 | 0.13 | 120.39 |
| 25 Jul | 1.50 | 0.18 | 93.46 | 1.54 | 0.20 | 709.44 | 0.00 | 0.13 | 120.39 |
| 26 Jul | 7.14 | 0.19 | 100.60 | 7.58 | 0.20 | 717.02 | 0.00 | 0.13 | 120.39 |
| 27 Jul | 0.00 | 0.19 | 100.60 | 3.00 | 0.20 | 720.02 | 37.27 | 0.17 | 157.66 |
| 28 Jul | 0.00 | 0.19 | 100.60 | 10.77 | 0.21 | 730.79 | 0.00 | 0.17 | 157.66 |
| 29 Jul | 0.00 | 0.19 | 100.60 | 207.55 | 0.27 | 938.34 | 97.63 | 0.27 | 255.29 |
| 30 Jul | 0.00 | 0.19 | 100.60 | 66.94 | 0.28 | 1,005.28 | 30.81 | 0.30 | 286.10 |
| 31 Jul | 13.77 | 0.22 | 114.37 | 933.14 | 0.55 | 1,938.42 | 4.66 | 0.31 | 290.76 |
| 1 Aug | 131.66 | 0.47 | 246.03 | 66.43 | 0.57 | 2,004.85 | 4.74 | 0.31 | 295.50 |
| 2 Aug | 59.61 | 0.59 | 305.64 | 1.50 | 0.57 | 2,006.35 | 6.00 | 0.32 | 301.50 |
| 3 Aug | 0.00 | 0.59 | 305.64 | 2.93 | 0.57 | 2,009.28 | 1.67 | 0.32 | 303.17 |
| 4 Aug | 0.00 | 0.59 | 305.64 | 0.00 | 0.57 | 2,009.28 | 0.00 | 0.32 | 303.17 |
| 5 Aug | 0.00 | 0.59 | 305.64 | 246.35 | 0.64 | 2,255.63 | 4.66 | 0.33 | 307.83 |
| 6 Aug | 0.00 | 0.59 | 305.64 | 513.51 | 0.78 | 2,769.14 | 0.00 | 0.33 | 307.83 |
| 7 Aug | 1.46 | 0.59 | 307.10 | 93.04 | 0.81 | 2,862.18 | 12.31 | 0.34 | 320.14 |
| 8 Aug | 102.31 | 0.78 | 409.41 | 36.93 | 0.82 | 2,899.11 | 7.69 | 0.35 | 327.83 |
| 9 Aug | 50.06 | 0.88 | 459.47 | 11.29 | 0.82 | 2,910.40 | 7.58 | 0.36 | 335.41 |
| 10 Aug | 7.43 | 0.90 | 466.90 | 23.41 | 0.83 | 2,933.81 | 0.00 | 0.36 | 335.41 |
| 11 Aug | 0.00 | 0.90 | 466.90 | 32.80 | 0.84 | 2,966.61 | 3.00 | 0.36 | 338.41 |
| 12 Aug | 0.00 | 0.90 | 466.90 | 5.00 | 0.84 | 2,971.61 | 183.75 | 0.55 | 522.16 |
| 13 Aug | 3.54 | 0.90 | 470.44 | 2.93 | 0.84 | 2,974.54 | 0.00 | 0.55 | 522.16 |
| 14 Aug | 2.74 | 0.91 | 473.18 | 18.82 | 0.85 | 2,993.36 | 0.00 | 0.55 | 522.16 |
| 15 Aug | 0.00 | 0.91 | 473.18 | 31.26 | 0.86 | 3,024.62 | 61.33 | 0.62 | 583.49 |
| 16 Aug | 0.00 | 0.91 | 473.18 | 11.75 | 0.86 | 3,036.37 | 20.43 | 0.64 | 603.92 |
| 17 Aug | 1.28 | 0.91 | 474.46 | 26.07 | 0.87 | 3,062.44 | 47.44 | 0.69 | 651.36 |
| 18 Aug | 0.00 | 0.91 | 474.46 | 132.60 | 0.91 | 3,195.04 | 18.19 | 0.71 | 669.55 |
| 19 Aug | 0.00 | 0.91 | 474.46 | 124.97 | 0.94 | 3,320.01 | 114.22 | 0.83 | 783.77 |
| 20 Aug | 5.55 | 0.92 | 480.01 | 26.61 | 0.95 | 3,346.62 | 49.20 | 0.88 | 832.97 |
| 21 Aug | 1.50 | 0.92 | 481.51 | 12.70 | 0.95 | 3,359.32 | 9.00 | 0.89 | 841.97 |
| 22 Aug | 1.54 | 0.93 | 483.05 | 11.16 | 0.95 | 3,370.48 | 0.00 | 0.89 | 841.97 |
| 23 Aug | 0.00 | 0.93 | 483.05 | 16.92 | 0.96 | 3,387.40 | 33.77 | 0.93 | 875.74 |
| 24 Aug | 11.61 | 0.95 | 494.66 | 35.67 | 0.97 | 3,423.07 | 20.00 | 0.95 | 895.74 |
| 25 Aug | 0.00 | 0.95 | 494.66 | 32.12 | 0.98 | 3,455.19 | 0.00 | 0.95 | 895.74 |
| 26 Aug | 18.01 | 0.98 | 512.67 | 13.62 | 0.98 | 3,468.81 | 6.92 | 0.96 | 902.66 |
| 27 Aug | 8.94 | 1.00 | 521.61 | 22.90 | 0.99 | 3,491.71 | 30.06 | 0.99 | 932.72 |
| 28 Aug | 0.00 | 1.00 | 521.61 | 19.10 | 0.99 | 3,510.81 | 10.50 | 1.00 | 943.22 |
| 29 Aug | | | 521.61 | 19.50 | 1.00 | 3,530.31 | | | 943.22 |
| Total | 521.61 | | | 3,530.31 | | | 943.22 | | |

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| Date | 2007 | | | 2008 | | | 2009 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 5.37 | 0.00 | 5.37 | 1.71 | 0.00 | 1.71 | 1.50 | 0.01 | 1.50 |
| 17 Jul | 6.11 | 0.01 | 11.48 | 3.08 | 0.00 | 4.79 | 1.54 | 0.01 | 3.04 |
| 18 Jul | 1.58 | 0.01 | 13.06 | 0.00 | 0.00 | 4.79 | 0.00 | 0.01 | 3.04 |
| 19 Jul | 1.58 | 0.01 | 14.64 | 0.00 | 0.00 | 4.79 | 1.50 | 0.02 | 4.54 |
| 20 Jul | 3.55 | 0.01 | 18.19 | 0.00 | 0.00 | 4.79 | 0.00 | 0.02 | 4.54 |
| 21 Jul | 0.00 | 0.01 | 18.19 | 12.63 | 0.01 | 17.42 | 0.00 | 0.02 | 4.54 |
| 22 Jul | 0.00 | 0.01 | 18.19 | 6.49 | 0.02 | 23.91 | 0.00 | 0.02 | 4.54 |
| 23 Jul | 0.00 | 0.01 | 18.19 | 0.00 | 0.02 | 23.91 | 2.87 | 0.03 | 7.41 |
| 24 Jul | 0.00 | 0.01 | 18.19 | 0.00 | 0.02 | 23.91 | 0.00 | 0.03 | 7.41 |
| 25 Jul | 0.00 | 0.01 | 18.19 | 3.16 | 0.02 | 27.07 | 0.00 | 0.03 | 7.41 |
| 26 Jul | 0.00 | 0.01 | 18.19 | 9.15 | 0.03 | 36.22 | 0.00 | 0.03 | 7.41 |
| 27 Jul | 0.00 | 0.01 | 18.19 | 65.68 | 0.09 | 101.90 | 1.54 | 0.04 | 8.95 |
| 28 Jul | 4.47 | 0.02 | 22.66 | 30.45 | 0.11 | 132.35 | 0.00 | 0.04 | 8.95 |
| 29 Jul | 0.00 | 0.02 | 22.66 | 1.62 | 0.11 | 133.97 | 0.00 | 0.04 | 8.95 |
| 30 Jul | 0.00 | 0.02 | 22.66 | 29.59 | 0.14 | 163.56 | 41.67 | 0.21 | 50.62 |
| 31 Jul | 0.00 | 0.02 | 22.66 | 103.46 | 0.23 | 267.02 | 9.23 | 0.25 | 59.85 |
| 1 Aug | 0.00 | 0.02 | 22.66 | 36.99 | 0.26 | 304.01 | 1.54 | 0.26 | 61.38 |
| 2 Aug | 21.64 | 0.03 | 44.30 | 47.70 | 0.30 | 351.71 | 1.43 | 0.27 | 62.81 |
| 3 Aug | 26.28 | 0.05 | 70.58 | 18.91 | 0.31 | 370.62 | 3.04 | 0.28 | 65.85 |
| 4 Aug | 0.00 | 0.05 | 70.58 | 3.33 | 0.32 | 373.95 | 0.00 | 0.28 | 65.85 |
| 5 Aug | 0.00 | 0.05 | 70.58 | 4.29 | 0.32 | 378.24 | 0.00 | 0.28 | 65.85 |
| 6 Aug | 123.61 | 0.15 | 194.19 | 4.56 | 0.32 | 382.80 | 0.00 | 0.28 | 65.85 |
| 7 Aug | 136.25 | 0.25 | 330.44 | 29.01 | 0.35 | 411.81 | 9.77 | 0.32 | 75.62 |
| 8 Aug | 8.79 | 0.26 | 339.23 | 1.62 | 0.35 | 413.43 | 8.18 | 0.35 | 83.80 |
| 9 Aug | 1.54 | 0.26 | 340.77 | 3.08 | 0.35 | 416.51 | 38.08 | 0.52 | 121.88 |
| 10 Aug | 2.86 | 0.26 | 343.63 | 1.50 | 0.35 | 418.01 | 29.67 | 0.64 | 151.54 |
| 11 Aug | 18.54 | 0.27 | 362.16 | 0.00 | 0.35 | 418.01 | 0.00 | 0.64 | 151.54 |
| 12 Aug | 183.91 | 0.41 | 546.07 | 17.89 | 0.37 | 435.90 | 0.00 | 0.64 | 151.54 |
| 13 Aug | 244.95 | 0.60 | 791.01 | 409.38 | 0.72 | 845.28 | 0.00 | 0.64 | 151.54 |
| 14 Aug | 3.08 | 0.60 | 794.09 | 52.61 | 0.76 | 897.89 | 0.00 | 0.64 | 151.54 |
| 15 Aug | 4.50 | 0.60 | 798.59 | 10.77 | 0.77 | 908.66 | 1.91 | 0.65 | 153.46 |
| 16 Aug | 0.00 | 0.60 | 798.59 | 15.08 | 0.78 | 923.74 | 21.43 | 0.74 | 174.89 |
| 17 Aug | 1.54 | 0.60 | 800.13 | 0.00 | 0.78 | 923.74 | 9.69 | 0.78 | 184.58 |
| 18 Aug | 5.85 | 0.61 | 805.98 | 7.25 | 0.79 | 930.99 | 8.72 | 0.82 | 193.30 |
| 19 Aug | 13.17 | 0.62 | 819.15 | 12.99 | 0.80 | 943.98 | 23.99 | 0.92 | 217.30 |
| 20 Aug | 0.00 | 0.62 | 819.15 | 0.00 | 0.80 | 943.98 | 0.00 | 0.92 | 217.30 |
| 21 Aug | 0.00 | 0.62 | 819.15 | 0.00 | 0.80 | 943.98 | 0.00 | 0.92 | 217.30 |
| 22 Aug | 0.00 | 0.62 | 819.15 | 36.17 | 0.83 | 980.15 | 1.50 | 0.93 | 218.80 |
| 23 Aug | 18.89 | 0.63 | 838.04 | 1.46 | 0.83 | 981.61 | 4.62 | 0.95 | 223.41 |
| 24 Aug | 181.53 | 0.77 | 1,019.58 | 14.35 | 0.84 | 995.96 | 7.18 | 0.98 | 230.59 |
| 25 Aug | 149.62 | 0.88 | 1,169.20 | 50.90 | 0.89 | 1,046.86 | 0.00 | 0.98 | 230.59 |
| 26 Aug | 38.64 | 0.91 | 1,207.84 | 77.35 | 0.95 | 1,124.21 | 0.00 | 0.98 | 230.59 |
| 27 Aug | 3.00 | 0.91 | 1,210.84 | 53.37 | 1.00 | 1,177.58 | 4.19 | 0.99 | 234.78 |
| 28 Aug | 117.31 | 1.00 | 1,328.15 | 4.62 | 1.00 | 1,182.20 | 1.54 | 1.00 | 236.31 |
| 29 Aug | | | 1,328.15 | | 1.00 | 1,182.20 | | | 236.31 |
| Total | 1,328.15 | | | 1,182.20 | | | 236.31 | | |

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| Date | 2010 ^a | | | 2011 ^b | | | 2012 ^b | | | 2001–2011 Median | | |
|--------|-------------------|--------------|-----------------|-------------------|--------------|-----------------|-------------------|--------------|-----------------|------------------|--------------|-----------------|
| | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE |
| 16 Jul | 23.08 | 0.02 | 23.08 | 0.00 | 0.00 | 0.00 | 45.10 | 0.02 | 45.10 | 1.71 | 0.00 | 1.71 |
| 17 Jul | 56.82 | 0.06 | 79.90 | 0.00 | 0.00 | 0.00 | 198.24 | 0.11 | 243.34 | 6.11 | 0.01 | 11.48 |
| 18 Jul | 48.46 | 0.10 | 128.36 | 3.08 | 0.00 | 3.08 | 65.65 | 0.14 | 308.99 | 1.58 | 0.01 | 13.06 |
| 19 Jul | 24.21 | 0.11 | 152.57 | 1.54 | 0.00 | 4.62 | 130.77 | 0.20 | 439.76 | 1.58 | 0.02 | 20.70 |
| 20 Jul | 11.71 | 0.12 | 164.28 | 0.00 | 0.00 | 4.62 | 20.86 | 0.21 | 460.62 | 0.00 | 0.02 | 20.70 |
| 21 Jul | 7.33 | 0.13 | 171.61 | 0.00 | 0.00 | 4.62 | 4.50 | 0.21 | 465.12 | 1.43 | 0.02 | 20.70 |
| 22 Jul | 3.04 | 0.13 | 174.64 | 0.00 | 0.00 | 4.62 | 23.49 | 0.22 | 488.61 | 1.71 | 0.02 | 23.91 |
| 23 Jul | 37.50 | 0.16 | 212.14 | 0.00 | 0.00 | 4.62 | 39.43 | 0.24 | 528.04 | 1.50 | 0.03 | 23.91 |
| 24 Jul | 9.23 | 0.17 | 221.37 | 0.00 | 0.00 | 4.62 | 10.11 | 0.25 | 538.15 | 0.00 | 0.03 | 23.91 |
| 25 Jul | 3.12 | 0.17 | 224.49 | 0.00 | 0.00 | 4.62 | 107.04 | 0.30 | 645.19 | 1.50 | 0.09 | 93.46 |
| 26 Jul | 0.00 | 0.17 | 224.49 | 0.00 | 0.00 | 4.62 | 215.43 | 0.40 | 860.62 | 1.50 | 0.10 | 100.60 |
| 27 Jul | 2.93 | 0.17 | 227.42 | 13.17 | 0.02 | 17.79 | 43.53 | 0.42 | 904.15 | 13.17 | 0.15 | 149.57 |
| 28 Jul | 41.52 | 0.20 | 268.94 | 34.02 | 0.04 | 51.81 | 29.98 | 0.43 | 934.13 | 7.65 | 0.16 | 157.66 |
| 29 Jul | 6.00 | 0.21 | 274.94 | 76.58 | 0.11 | 128.39 | 14.73 | 0.44 | 948.85 | 4.58 | 0.19 | 210.88 |
| 30 Jul | 0.00 | 0.21 | 274.94 | 209.73 | 0.29 | 338.13 | 0.00 | 0.44 | 948.85 | 12.00 | 0.21 | 273.71 |
| 31 Jul | 0.00 | 0.21 | 274.94 | 34.31 | 0.32 | 372.44 | 185.41 | 0.52 | 1,134.27 | 9.23 | 0.23 | 273.71 |
| 1 Aug | 1.43 | 0.21 | 276.37 | 1.54 | 0.32 | 373.97 | 45.54 | 0.54 | 1,179.80 | 4.74 | 0.26 | 295.50 |
| 2 Aug | 1.43 | 0.21 | 277.80 | 2.93 | 0.33 | 376.90 | 24.00 | 0.55 | 1,203.80 | 2.93 | 0.30 | 303.31 |
| 3 Aug | 41.30 | 0.24 | 319.09 | 9.97 | 0.34 | 386.87 | 13.47 | 0.56 | 1,217.27 | 9.97 | 0.32 | 319.09 |
| 4 Aug | 1.43 | 0.24 | 320.52 | 0.00 | 0.34 | 386.87 | 81.31 | 0.60 | 1,298.58 | 0.00 | 0.32 | 320.52 |
| 5 Aug | 1.46 | 0.24 | 321.98 | 22.39 | 0.36 | 409.26 | 142.63 | 0.66 | 1,441.21 | 4.29 | 0.33 | 321.98 |
| 6 Aug | 245.66 | 0.43 | 567.64 | 24.81 | 0.38 | 434.07 | 4.54 | 0.66 | 1,445.75 | 4.56 | 0.38 | 382.80 |
| 7 Aug | 19.38 | 0.44 | 587.03 | 0.00 | 0.38 | 434.07 | 9.00 | 0.67 | 1,454.75 | 19.38 | 0.38 | 411.81 |
| 8 Aug | 0.00 | 0.44 | 587.03 | 7.50 | 0.38 | 441.57 | 12.00 | 0.67 | 1,466.75 | 7.69 | 0.38 | 413.43 |
| 9 Aug | 109.31 | 0.52 | 696.33 | 0.00 | 0.38 | 441.57 | 6.02 | 0.68 | 1,472.77 | 11.29 | 0.51 | 459.47 |
| 10 Aug | 212.25 | 0.68 | 908.58 | 0.00 | 0.38 | 441.57 | 1.54 | 0.68 | 1,474.31 | 23.41 | 0.54 | 466.90 |
| 11 Aug | 8.19 | 0.69 | 916.77 | 0.00 | 0.38 | 441.57 | 1.54 | 0.68 | 1,475.84 | 3.00 | 0.54 | 466.90 |
| 12 Aug | 0.00 | 0.69 | 916.77 | 28.06 | 0.41 | 469.64 | 3.08 | 0.68 | 1,478.92 | 28.06 | 0.59 | 546.07 |
| 13 Aug | 1.46 | 0.69 | 918.24 | 26.10 | 0.43 | 495.74 | 13.50 | 0.69 | 1,492.42 | 3.54 | 0.64 | 791.01 |
| 14 Aug | 0.00 | 0.69 | 918.24 | 9.00 | 0.44 | 504.74 | 1.50 | 0.69 | 1,493.92 | 3.08 | 0.64 | 794.09 |
| 15 Aug | – | 0.69 | 918.24 | 126 | 0.55 | 630.33 | 2 | 0.69 | 1,495.46 | 21.02 | 0.69 | 807.79 |
| 16 Aug | 253.55 | 0.88 | 1,171.78 | 1.36 | 0.55 | 631.69 | 523.37 | 0.93 | 2,018.83 | 15.08 | 0.86 | 923.74 |
| 17 Aug | 50.18 | 0.92 | 1,221.96 | 1.50 | 0.55 | 633.19 | 126.41 | 0.99 | 2,145.24 | 4.76 | 0.87 | 923.74 |
| 18 Aug | 45.75 | 0.95 | 1,267.71 | 0.00 | 0.55 | 633.19 | 5.33 | 0.99 | 2,150.57 | 7.25 | 0.91 | 930.99 |
| 19 Aug | 4.32 | 0.96 | 1,272.03 | 6.09 | 0.55 | 639.29 | 6.00 | 0.99 | 2,156.57 | 6.32 | 0.92 | 943.98 |
| 20 Aug | 0.00 | 0.96 | 1,272.03 | 160.46 | 0.69 | 799.75 | 3.08 | 0.99 | 2,159.65 | 0.00 | 0.92 | 943.98 |
| 21 Aug | 0.00 | 0.96 | 1,272.03 | 297.02 | 0.95 | 1,096.77 | 3.16 | 0.99 | 2,162.81 | 7.84 | 0.94 | 1,096.77 |
| 22 Aug | 11.11 | 0.97 | 1,283.14 | 31.03 | 0.98 | 1,127.80 | 4.66 | 1.00 | 2,167.46 | 3.20 | 0.94 | 1,127.80 |
| 23 Aug | 13.95 | 0.98 | 1,297.09 | 9.86 | 0.99 | 1,137.66 | 0.00 | 1.00 | 2,167.46 | 9.86 | 0.96 | 1,137.66 |
| 24 Aug | 4.09 | 0.98 | 1,301.19 | 7.25 | 0.99 | 1,144.91 | 4.62 | 1.00 | 2,172.08 | 11.61 | 0.98 | 1,144.91 |
| 25 Aug | 6.12 | 0.98 | 1,307.30 | 0.00 | 0.99 | 1,144.91 | 4.50 | 1.00 | 2,176.58 | 0.00 | 0.98 | 1,169.20 |
| 26 Aug | 3.16 | 0.99 | 1,310.46 | 4.50 | 1.00 | 1,149.41 | 0.00 | 1.00 | 2,176.58 | 4.50 | 0.98 | 1,171.33 |
| 27 Aug | 6.00 | 0.99 | 1,316.46 | 2.96 | 1.00 | 1,152.37 | 0.00 | 1.00 | 2,176.58 | 4.19 | 1.00 | 1,177.58 |
| 28 Aug | 12.42 | 1.00 | 1,328.88 | 0.00 | 1.00 | 1,152.37 | 0.00 | 1.00 | 2,176.58 | 4.62 | 1.00 | 1,182.20 |
| 29 Aug | Total | 1,328.88 | | 1,152.37 | | | 2,176.58 | | | 1,182.20 | | |

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Note: The box indicates the first quartile to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. Dark bands indicate the historical median quartile passage dates. Differences in the termination dates of the project confound computation of the cumulative percent and median as a convenience; the historical daily cumulative and median were computed by assuming that 100% of the run was completed on the date of project termination.

- ^a The Lower Yukon test fishery operated through 15 September in 2010. Percent and quartiles reflect CPUE through 28 August for comparison to past years.
- ^b The Lower Yukon test fishery operated through 20 September in 2011 and 2012. Percent and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix D3.—Historical and daily and cumulative catch per unit effort (CPUE) for fall chum salmon, Middle Mouth (Sites 1 and 2), Yukon River, 2001–2012.

| Date | 2001 | | | 2002 | | | 2003 | | |
|--------|------------|--------------|-----------------|------------|--------------|-----------------|------------|--------------|-----------------|
| | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE |
| 16 Jul | 4.94 | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 50.02 | 0.04 | 50.02 |
| 17 Jul | 127.62 | 0.09 | 132.56 | 2.93 | 0.01 | 2.93 | 36.65 | 0.08 | 86.67 |
| 18 Jul | 206.17 | 0.23 | 338.73 | 0.00 | 0.01 | 2.93 | 3.00 | 0.08 | 89.67 |
| 19 Jul | 38.69 | 0.25 | 377.42 | 6.01 | 0.03 | 8.94 | 0.00 | 0.08 | 89.67 |
| 20 Jul | 3.00 | 0.26 | 380.42 | 0.00 | 0.03 | 8.94 | 1.54 | 0.08 | 91.21 |
| 21 Jul | 6.00 | 0.26 | 386.42 | 1.46 | 0.04 | 10.40 | 46.75 | 0.12 | 137.96 |
| 22 Jul | 4.50 | 0.26 | 390.92 | 0.00 | 0.04 | 10.40 | 75.26 | 0.19 | 213.22 |
| 23 Jul | 21.82 | 0.28 | 412.74 | 0.00 | 0.04 | 10.40 | 28.52 | 0.21 | 241.74 |
| 24 Jul | 93.73 | 0.34 | 506.47 | 0.00 | 0.04 | 10.40 | 19.50 | 0.23 | 261.24 |
| 25 Jul | 59.88 | 0.38 | 566.35 | 0.00 | 0.04 | 10.40 | 4.58 | 0.24 | 265.82 |
| 26 Jul | 7.00 | 0.39 | 573.35 | 3.30 | 0.05 | 13.70 | 0.00 | 0.24 | 265.82 |
| 27 Jul | 4.66 | 0.39 | 578.01 | 1.54 | 0.06 | 15.24 | 6.33 | 0.24 | 272.15 |
| 28 Jul | 1.58 | 0.39 | 579.59 | 1.54 | 0.06 | 16.78 | 44.08 | 0.28 | 316.23 |
| 29 Jul | 1.54 | 0.39 | 581.13 | 9.23 | 0.10 | 26.01 | 30.77 | 0.31 | 347.00 |
| 30 Jul | 3.08 | 0.39 | 584.21 | 3.08 | 0.11 | 29.09 | 0.00 | 0.31 | 347.00 |
| 31 Jul | 110.52 | 0.47 | 694.73 | 0.00 | 0.11 | 29.09 | 1.67 | 0.31 | 348.67 |
| 1 Aug | 78.45 | 0.52 | 773.18 | 3.08 | 0.12 | 32.17 | 9.65 | 0.32 | 358.32 |
| 2 Aug | 76.26 | 0.57 | 849.44 | 1.54 | 0.12 | 33.71 | 1.50 | 0.32 | 359.82 |
| 3 Aug | 139.14 | 0.67 | 988.58 | 3.00 | 0.14 | 36.71 | 186.74 | 0.48 | 546.56 |
| 4 Aug | 26.32 | 0.69 | 1,014.90 | 1.54 | 0.14 | 38.25 | 119.74 | 0.59 | 666.30 |
| 5 Aug | 1.58 | 0.69 | 1,016.48 | 0.00 | 0.14 | 38.25 | 22.33 | 0.61 | 688.63 |
| 6 Aug | 30.78 | 0.71 | 1,047.26 | 0.00 | 0.14 | 38.25 | 0.00 | 0.61 | 688.63 |
| 7 Aug | 173.08 | 0.82 | 1,220.34 | 1.54 | 0.15 | 39.79 | 0.00 | 0.61 | 688.63 |
| 8 Aug | 62.91 | 0.87 | 1,283.25 | 0.00 | 0.15 | 39.79 | 0.00 | 0.61 | 688.63 |
| 9 Aug | 27.09 | 0.88 | 1,310.34 | 7.50 | 0.17 | 47.29 | 0.00 | 0.61 | 688.63 |
| 10 Aug | 8.18 | 0.89 | 1,318.52 | 1.50 | 0.18 | 48.79 | 1.43 | 0.61 | 690.06 |
| 11 Aug | 4.46 | 0.89 | 1,322.98 | 7.78 | 0.21 | 56.57 | 1.43 | 0.61 | 691.49 |
| 12 Aug | 24.02 | 0.91 | 1,347.00 | 4.39 | 0.23 | 60.96 | 64.84 | 0.67 | 756.33 |
| 13 Aug | 50.50 | 0.94 | 1,397.50 | 18.63 | 0.29 | 79.59 | 0.00 | 0.67 | 756.33 |
| 14 Aug | 33.02 | 0.97 | 1,430.52 | 3.25 | 0.31 | 82.84 | 54.83 | 0.72 | 811.16 |
| 15 Aug | 22.46 | 0.98 | 1,452.98 | 0.00 | 0.31 | 82.84 | 164.48 | 0.87 | 975.64 |
| 16 Aug | 7.51 | 0.99 | 1,460.49 | 121.14 | 0.75 | 203.98 | 52.18 | 0.91 | 1,027.82 |
| 17 Aug | 1.54 | 0.99 | 1,462.03 | 32.41 | 0.87 | 236.39 | 20.46 | 0.93 | 1,048.28 |
| 18 Aug | 4.58 | 0.99 | 1,466.61 | 13.45 | 0.92 | 249.84 | 4.82 | 0.93 | 1,053.10 |
| 19 Aug | 0.00 | 0.99 | 1,466.61 | 7.03 | 0.95 | 256.87 | 0.00 | 0.93 | 1,053.10 |
| 20 Aug | 1.58 | 0.99 | 1,468.19 | 5.70 | 0.97 | 262.57 | 4.66 | 0.94 | 1,057.76 |
| 21 Aug | 5.71 | 0.99 | 1,473.90 | 3.04 | 0.98 | 265.61 | 0.00 | 0.94 | 1,057.76 |
| 22 Aug | 6.00 | 1.00 | 1,479.90 | 3.18 | 0.99 | 268.79 | 39.25 | 0.97 | 1,097.01 |
| 23 Aug | 0.00 | 1.00 | 1,479.90 | 1.50 | 1.00 | 270.29 | 10.59 | 0.98 | 1,107.60 |
| 24 Aug | 1.54 | 1.00 | 1,481.44 | 0.00 | 1.00 | 270.29 | 14.97 | 1.00 | 1,122.57 |
| 25 Aug | 0.00 | 1.00 | 1,481.44 | 0.00 | 1.00 | 270.29 | 0.00 | 1.00 | 1,122.57 |
| 26 Aug | 0.00 | 1.00 | 1,481.44 | 0.00 | 1.00 | 270.29 | 4.66 | 1.00 | 1,127.23 |
| 27 Aug | 0.00 | 1.00 | 1,481.44 | 0.00 | 1.00 | 270.29 | 1.00 | 1.00 | 1,127.23 |
| 28 Aug | 0.00 | 1.00 | 1,481.44 | 0.00 | 1.00 | 270.29 | 1.00 | 1.00 | 1,127.23 |
| 29 Aug | | | 1,481.44 | | | 270.29 | | | 1,127.23 |
| Total | 1,481.44 | | | 270.29 | | | 1,127.23 | | |

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| Date | 2004 | | | 2005 | | | 2006 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 14.98 | 0.01 | 14.98 | 64.93 | 0.05 | 64.93 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 4.74 | 0.02 | 19.72 | 10.06 | 0.06 | 74.99 |
| 18 Jul | 1.43 | 0.00 | 1.43 | 3.08 | 0.02 | 22.80 | 1.62 | 0.06 | 76.61 |
| 19 Jul | 33.41 | 0.04 | 34.84 | 13.62 | 0.03 | 36.42 | 1.71 | 0.06 | 78.32 |
| 20 Jul | 24.00 | 0.06 | 58.84 | 19.38 | 0.05 | 55.80 | 0.00 | 0.06 | 78.32 |
| 21 Jul | 23.15 | 0.08 | 81.99 | 3.04 | 0.05 | 58.84 | 3.38 | 0.06 | 81.70 |
| 22 Jul | 8.97 | 0.09 | 90.96 | 0.00 | 0.05 | 58.84 | 0.00 | 0.06 | 81.70 |
| 23 Jul | 1.62 | 0.09 | 92.58 | 1.43 | 0.05 | 60.27 | 0.00 | 0.06 | 81.70 |
| 24 Jul | 0.00 | 0.09 | 92.58 | 0.00 | 0.05 | 60.27 | 0.00 | 0.06 | 81.70 |
| 25 Jul | 0.00 | 0.09 | 92.58 | 0.00 | 0.05 | 60.27 | 14.48 | 0.07 | 96.18 |
| 26 Jul | 3.08 | 0.10 | 95.66 | 0.00 | 0.05 | 60.27 | 0.00 | 0.07 | 96.18 |
| 27 Jul | 3.09 | 0.10 | 98.75 | 1.43 | 0.05 | 61.70 | 117.41 | 0.16 | 213.59 |
| 28 Jul | 0.00 | 0.10 | 98.75 | 0.00 | 0.05 | 61.70 | 178.62 | 0.29 | 392.21 |
| 29 Jul | 1.46 | 0.10 | 100.21 | 40.43 | 0.09 | 102.13 | 66.18 | 0.34 | 458.39 |
| 30 Jul | 0.00 | 0.10 | 100.21 | 17.50 | 0.10 | 119.63 | 143.31 | 0.44 | 601.70 |
| 31 Jul | 0.00 | 0.10 | 100.21 | 13.94 | 0.12 | 133.57 | 61.73 | 0.49 | 663.43 |
| 1 Aug | 161.80 | 0.26 | 262.01 | 3.04 | 0.12 | 136.61 | 90.51 | 0.56 | 753.94 |
| 2 Aug | 89.39 | 0.36 | 351.40 | 0.00 | 0.12 | 136.61 | 30.95 | 0.58 | 784.89 |
| 3 Aug | 36.19 | 0.39 | 387.59 | 2.96 | 0.12 | 139.57 | 3.10 | 0.58 | 787.99 |
| 4 Aug | 24.12 | 0.42 | 411.71 | 1.50 | 0.12 | 141.07 | 5.47 | 0.58 | 793.46 |
| 5 Aug | 4.43 | 0.42 | 416.14 | 3.00 | 0.13 | 144.07 | 19.32 | 0.60 | 812.78 |
| 6 Aug | 7.58 | 0.43 | 423.72 | 0.00 | 0.13 | 144.07 | 56.71 | 0.64 | 869.49 |
| 7 Aug | 3.08 | 0.43 | 426.80 | 117.59 | 0.23 | 261.66 | 13.24 | 0.65 | 882.73 |
| 8 Aug | 16.93 | 0.45 | 443.73 | 67.15 | 0.29 | 328.81 | 10.45 | 0.66 | 893.18 |
| 9 Aug | 52.56 | 0.50 | 496.29 | 27.65 | 0.31 | 356.46 | 0.00 | 0.66 | 893.18 |
| 10 Aug | 25.85 | 0.53 | 522.14 | 1.50 | 0.31 | 357.96 | 0.00 | 0.66 | 893.18 |
| 11 Aug | 3.08 | 0.53 | 525.22 | 9.00 | 0.32 | 366.96 | 0.00 | 0.66 | 893.18 |
| 12 Aug | 0.00 | 0.53 | 525.22 | 10.94 | 0.33 | 377.90 | 186.52 | 0.80 | 1,079.70 |
| 13 Aug | 1.50 | 0.53 | 526.72 | 3.12 | 0.33 | 381.02 | 63.03 | 0.84 | 1,142.73 |
| 14 Aug | 46.48 | 0.58 | 573.20 | 41.23 | 0.37 | 422.25 | 15.79 | 0.85 | 1,158.52 |
| 15 Aug | 20.87 | 0.60 | 594.07 | 4.62 | 0.37 | 426.87 | 12.63 | 0.86 | 1,171.15 |
| 16 Aug | 0.00 | 0.60 | 594.07 | 1.50 | 0.37 | 428.37 | 1.62 | 0.86 | 1,172.77 |
| 17 Aug | 2.96 | 0.60 | 597.03 | 0.00 | 0.37 | 428.37 | 16.67 | 0.88 | 1,189.44 |
| 18 Aug | 2.93 | 0.61 | 599.96 | 10.47 | 0.38 | 438.84 | 12.08 | 0.89 | 1,201.52 |
| 19 Aug | 0.00 | 0.61 | 599.96 | 15.00 | 0.40 | 453.84 | 69.98 | 0.94 | 1,271.50 |
| 20 Aug | 232.53 | 0.84 | 832.49 | 73.44 | 0.46 | 527.28 | 18.83 | 0.95 | 1,290.33 |
| 21 Aug | 39.20 | 0.88 | 871.69 | 73.84 | 0.53 | 601.12 | 6.53 | 0.96 | 1,296.86 |
| 22 Aug | 0.00 | 0.88 | 871.69 | 118.69 | 0.63 | 719.81 | 1.67 | 0.96 | 1,298.53 |
| 23 Aug | 0.00 | 0.88 | 871.69 | 240.29 | 0.84 | 960.10 | 8.12 | 0.96 | 1,306.65 |
| 24 Aug | 0.00 | 0.88 | 871.69 | 80.67 | 0.91 | 1,040.77 | 10.96 | 0.97 | 1,317.61 |
| 25 Aug | 20.64 | 0.90 | 892.33 | 28.32 | 0.93 | 1,069.09 | 5.00 | 0.97 | 1,322.61 |
| 26 Aug | 17.61 | 0.92 | 909.94 | 22.87 | 0.95 | 1,091.96 | 3.08 | 0.98 | 1,325.69 |
| 27 Aug | 79.57 | 1.00 | 989.51 | 0.00 | 0.95 | 1,091.96 | 24.87 | 1.00 | 1,350.56 |
| 28 Aug | 0.00 | 1.00 | 989.51 | 4.46 | 0.96 | 1,096.42 | 6.72 | 1.00 | 1,357.28 |
| 29 Aug | | | 989.51 | 47.67 | 1.00 | 1,144.09 | | | 1,357.28 |
| Total | 989.51 | | | 1,144.09 | | | 1,357.28 | | |

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| Date | 2007 | | | 2008 | | | 2009 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 3.33 | 0.01 | 3.33 | 6.00 | 0.01 | 6.00 | 7.50 | 0.02 | 7.50 |
| 17 Jul | 11.34 | 0.02 | 14.67 | 12.31 | 0.04 | 18.31 | 7.33 | 0.03 | 14.83 |
| 18 Jul | 2.96 | 0.03 | 17.63 | 4.50 | 0.05 | 22.81 | 6.08 | 0.04 | 20.91 |
| 19 Jul | 0.00 | 0.03 | 17.63 | 0.00 | 0.05 | 22.81 | 1.54 | 0.05 | 22.44 |
| 20 Jul | 3.08 | 0.03 | 20.71 | 0.00 | 0.05 | 22.81 | 0.00 | 0.05 | 22.44 |
| 21 Jul | 6.04 | 0.04 | 26.75 | 5.93 | 0.07 | 28.74 | 1.54 | 0.05 | 23.98 |
| 22 Jul | 0.00 | 0.04 | 26.75 | 9.08 | 0.09 | 37.82 | 0.00 | 0.05 | 23.98 |
| 23 Jul | 0.00 | 0.04 | 26.75 | 15.98 | 0.12 | 53.80 | 3.08 | 0.06 | 27.06 |
| 24 Jul | 1.46 | 0.04 | 28.21 | 22.17 | 0.17 | 75.97 | 0.00 | 0.06 | 27.06 |
| 25 Jul | 0.00 | 0.04 | 28.21 | 15.00 | 0.21 | 90.97 | 3.61 | 0.06 | 30.67 |
| 26 Jul | 1.46 | 0.04 | 29.68 | 7.82 | 0.23 | 98.79 | 1.50 | 0.07 | 32.17 |
| 27 Jul | 1.54 | 0.05 | 31.22 | 12.31 | 0.25 | 111.10 | 1.54 | 0.07 | 33.71 |
| 28 Jul | 3.00 | 0.05 | 34.22 | 44.00 | 0.35 | 155.10 | 0.00 | 0.07 | 33.71 |
| 29 Jul | 0.00 | 0.05 | 34.22 | 2.96 | 0.36 | 158.06 | 1.50 | 0.07 | 35.21 |
| 30 Jul | 1.54 | 0.05 | 35.75 | 40.97 | 0.45 | 199.03 | 3.00 | 0.08 | 38.21 |
| 31 Jul | 0.00 | 0.05 | 35.75 | 40.74 | 0.55 | 239.77 | 26.78 | 0.13 | 64.99 |
| 1 Aug | 0.00 | 0.05 | 35.75 | 28.18 | 0.61 | 267.95 | 2.93 | 0.14 | 67.91 |
| 2 Aug | 1.54 | 0.06 | 37.29 | 23.21 | 0.67 | 291.16 | 7.14 | 0.15 | 75.06 |
| 3 Aug | 0.00 | 0.06 | 37.29 | 20.96 | 0.71 | 312.12 | 0.00 | 0.15 | 75.06 |
| 4 Aug | 1.54 | 0.06 | 38.83 | 4.70 | 0.72 | 316.82 | 2.79 | 0.16 | 77.85 |
| 5 Aug | 1.46 | 0.06 | 40.29 | 1.54 | 0.73 | 318.36 | 12.00 | 0.18 | 89.85 |
| 6 Aug | 98.18 | 0.21 | 138.47 | 0.00 | 0.73 | 318.36 | 5.86 | 0.20 | 95.70 |
| 7 Aug | 138.11 | 0.42 | 276.59 | 1.54 | 0.73 | 319.90 | 20.18 | 0.24 | 115.89 |
| 8 Aug | 121.16 | 0.60 | 397.75 | 1.43 | 0.73 | 321.33 | 41.05 | 0.32 | 156.94 |
| 9 Aug | 4.50 | 0.61 | 402.25 | 0.00 | 0.73 | 321.33 | 75.97 | 0.48 | 232.91 |
| 10 Aug | 3.00 | 0.61 | 405.25 | 0.00 | 0.73 | 321.33 | 22.53 | 0.52 | 255.44 |
| 11 Aug | 0.00 | 0.61 | 405.25 | 1.54 | 0.74 | 322.87 | 4.39 | 0.53 | 259.83 |
| 12 Aug | 1.50 | 0.61 | 406.75 | 0.00 | 0.74 | 322.87 | 9.19 | 0.55 | 269.02 |
| 13 Aug | 54.38 | 0.69 | 461.13 | 9.23 | 0.76 | 332.10 | 3.04 | 0.56 | 272.06 |
| 14 Aug | 62.00 | 0.79 | 523.13 | 11.85 | 0.79 | 343.95 | 2.96 | 0.56 | 275.02 |
| 15 Aug | 9.73 | 0.80 | 532.86 | 4.82 | 0.80 | 348.77 | 4.46 | 0.57 | 279.49 |
| 16 Aug | 16.98 | 0.83 | 549.84 | 0.00 | 0.80 | 348.77 | 7.65 | 0.59 | 287.14 |
| 17 Aug | 13.66 | 0.85 | 563.50 | 0.00 | 0.80 | 348.77 | 3.00 | 0.59 | 290.14 |
| 18 Aug | 5.90 | 0.86 | 569.40 | 0.00 | 0.80 | 348.77 | 0.00 | 0.59 | 290.14 |
| 19 Aug | 2.93 | 0.86 | 572.32 | 0.00 | 0.80 | 348.77 | 83.97 | 0.76 | 374.11 |
| 20 Aug | 3.17 | 0.87 | 575.49 | 3.24 | 0.80 | 352.01 | 33.83 | 0.83 | 407.95 |
| 21 Aug | 1.71 | 0.87 | 577.20 | 4.54 | 0.81 | 356.55 | 9.23 | 0.85 | 417.18 |
| 22 Aug | 1.46 | 0.87 | 578.67 | 24.45 | 0.87 | 381.00 | 25.12 | 0.90 | 442.30 |
| 23 Aug | 1.50 | 0.87 | 580.17 | 10.32 | 0.89 | 391.32 | 4.46 | 0.91 | 446.76 |
| 24 Aug | 4.50 | 0.88 | 584.67 | 4.36 | 0.90 | 395.68 | 1.54 | 0.92 | 448.30 |
| 25 Aug | 43.94 | 0.95 | 628.61 | 3.00 | 0.91 | 398.68 | 1.50 | 0.92 | 449.80 |
| 26 Aug | 18.31 | 0.97 | 646.91 | 22.52 | 0.96 | 421.20 | 23.65 | 0.97 | 473.45 |
| 27 Aug | 6.24 | 0.98 | 653.16 | 13.59 | 0.99 | 434.79 | 11.64 | 0.99 | 485.09 |
| 28 Aug | 11.23 | 1.00 | 664.39 | 3.04 | 1.00 | 437.83 | 4.54 | 1.00 | 489.63 |
| 29 Aug | | | | | | 437.83 | | | 489.63 |
| Total | 664.39 | | | 437.83 | | | 489.63 | | |

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| Date | 2010 ^a | | | 2011 ^b | | | 2012 ^b | | | 2001–2011 Median | | |
|--------|-------------------|--------------|----------|-------------------|--------------|----------|-------------------|--------------|----------|------------------|--------------|---------|
| | Daily CPUE | Cumulative % | CPUUE | Daily CPUE | Cumulative % | CPUUE | Daily CPUE | Cumulative % | CPUUE | Daily CPUE | Cumulative % | CPUUE |
| 16 Jul | 8.57 | 0.01 | 8.57 | 34.12 | 0.01 | 34.12 | 14.71 | 0.01 | 14.71 | 7.50 | 0.01 | 7.50 |
| 17 Jul | 0.00 | 0.01 | 8.57 | 214.24 | 0.09 | 248.36 | 64.07 | 0.05 | 78.78 | 10.06 | 0.03 | 18.31 |
| 18 Jul | 121.11 | 0.12 | 129.68 | 84.29 | 0.12 | 332.65 | 85.40 | 0.11 | 164.18 | 3.08 | 0.05 | 22.81 |
| 19 Jul | 70.18 | 0.18 | 199.86 | 38.58 | 0.13 | 371.23 | 118.47 | 0.18 | 282.65 | 6.01 | 0.05 | 36.42 |
| 20 Jul | 11.82 | 0.19 | 211.68 | 9.48 | 0.13 | 380.71 | 23.60 | 0.20 | 306.25 | 3.00 | 0.06 | 58.84 |
| 21 Jul | 0.00 | 0.19 | 211.68 | 3.16 | 0.13 | 383.87 | 4.66 | 0.20 | 310.90 | 3.38 | 0.07 | 81.70 |
| 22 Jul | 0.00 | 0.19 | 211.68 | 0.00 | 0.13 | 383.87 | 11.59 | 0.21 | 322.50 | 0.00 | 0.09 | 81.70 |
| 23 Jul | 26.23 | 0.22 | 237.91 | 0.00 | 0.13 | 383.87 | 14.63 | 0.22 | 337.13 | 1.62 | 0.09 | 81.70 |
| 24 Jul | 23.78 | 0.24 | 261.69 | 12.00 | 0.14 | 395.87 | 0.00 | 0.22 | 337.13 | 1.46 | 0.09 | 81.70 |
| 25 Jul | 20.21 | 0.26 | 281.90 | 0.00 | 0.14 | 395.87 | 16.44 | 0.23 | 353.57 | 3.61 | 0.09 | 92.58 |
| 26 Jul | 4.54 | 0.26 | 286.44 | 58.50 | 0.16 | 454.37 | 12.86 | 0.24 | 366.43 | 3.08 | 0.10 | 96.18 |
| 27 Jul | 6.45 | 0.27 | 292.89 | 13.08 | 0.16 | 467.45 | 52.49 | 0.27 | 418.92 | 4.66 | 0.16 | 111.10 |
| 28 Jul | 4.58 | 0.27 | 297.47 | 104.00 | 0.20 | 571.44 | 24.71 | 0.29 | 443.63 | 3.00 | 0.20 | 155.10 |
| 29 Jul | 50.09 | 0.32 | 347.56 | 81.67 | 0.23 | 653.11 | 3.16 | 0.29 | 446.79 | 9.23 | 0.23 | 158.06 |
| 30 Jul | 11.15 | 0.33 | 358.71 | 266.85 | 0.32 | 919.96 | 0.00 | 0.29 | 446.79 | 3.08 | 0.31 | 199.03 |
| 31 Jul | 9.72 | 0.34 | 368.44 | 239.20 | 0.40 | 1,159.17 | 4.74 | 0.29 | 451.52 | 13.94 | 0.31 | 239.77 |
| 1 Aug | 3.28 | 0.34 | 371.72 | 123.91 | 0.44 | 1,283.07 | 14.73 | 0.30 | 466.26 | 9.65 | 0.32 | 267.95 |
| 2 Aug | 0.00 | 0.34 | 371.72 | 44.21 | 0.46 | 1,327.28 | 5.33 | 0.30 | 471.59 | 7.14 | 0.34 | 351.40 |
| 3 Aug | 0.00 | 0.34 | 371.72 | 15.15 | 0.47 | 1,342.44 | 0.00 | 0.30 | 471.59 | 3.10 | 0.39 | 371.72 |
| 4 Aug | 0.00 | 0.34 | 371.72 | – | 0.47 | 1,342.44 | 119.39 | 0.38 | 590.98 | 3.75 | 0.42 | 371.72 |
| 5 Aug | 0.00 | 0.34 | 371.72 | 150.95 | 0.52 | 1,493.39 | 264.69 | 0.55 | 855.67 | 3.00 | 0.42 | 371.72 |
| 6 Aug | 14.58 | 0.35 | 386.30 | 116.63 | 0.56 | 1,610.02 | 13.18 | 0.56 | 868.85 | 7.58 | 0.43 | 386.30 |
| 7 Aug | 18.05 | 0.37 | 404.35 | 119.67 | 0.60 | 1,729.69 | 8.93 | 0.56 | 877.78 | 18.05 | 0.43 | 404.35 |
| 8 Aug | 0.00 | 0.37 | 404.35 | 9.76 | 0.60 | 1,739.44 | 56.25 | 0.60 | 934.03 | 10.45 | 0.60 | 404.35 |
| 9 Aug | 16.34 | 0.38 | 420.68 | 36.30 | 0.62 | 1,775.75 | 53.66 | 0.64 | 987.69 | 16.34 | 0.61 | 420.68 |
| 10 Aug | 60.30 | 0.44 | 480.98 | 14.97 | 0.62 | 1,790.71 | 0.00 | 0.64 | 987.69 | 3.00 | 0.61 | 480.98 |
| 11 Aug | 20.64 | 0.46 | 501.62 | 3.00 | 0.62 | 1,793.71 | 0.00 | 0.64 | 987.69 | 3.08 | 0.61 | 501.62 |
| 12 Aug | 8.40 | 0.47 | 510.02 | 11.54 | 0.63 | 1,805.25 | 0.00 | 0.64 | 987.69 | 9.19 | 0.61 | 510.02 |
| 13 Aug | 8.75 | 0.47 | 518.77 | 123.93 | 0.67 | 1,929.18 | 4.09 | 0.64 | 991.78 | 9.23 | 0.67 | 518.77 |
| 14 Aug | 1.50 | 0.48 | 520.27 | 135.71 | 0.72 | 2,064.89 | 2.96 | 0.64 | 994.74 | 33.02 | 0.72 | 523.13 |
| 15 Aug | – | 0.48 | 520.27 | 126.01 | 0.76 | 2,190.90 | 1.50 | 0.64 | 996.24 | 11.18 | 0.76 | 532.86 |
| 16 Aug | 148.41 | 0.61 | 668.68 | 7.95 | 0.76 | 2,198.85 | 99.51 | 0.70 | 1,095.75 | 7.65 | 0.76 | 594.07 |
| 17 Aug | 139.34 | 0.74 | 808.02 | 8.58 | 0.76 | 2,207.42 | 174.88 | 0.82 | 1,270.64 | 8.58 | 0.80 | 597.03 |
| 18 Aug | 63.43 | 0.80 | 871.45 | 5.85 | 0.77 | 2,213.28 | 54.27 | 0.85 | 1,324.90 | 5.85 | 0.80 | 599.96 |
| 19 Aug | 88.78 | 0.88 | 960.23 | 71.13 | 0.79 | 2,284.41 | 64.77 | 0.89 | 1,389.67 | 7.03 | 0.86 | 599.96 |
| 20 Aug | 16.57 | 0.89 | 976.80 | 235.32 | 0.87 | 2,519.73 | 48.99 | 0.93 | 1,438.66 | 16.57 | 0.87 | 832.49 |
| 21 Aug | 7.54 | 0.90 | 984.34 | 258.91 | 0.96 | 2,778.64 | 2.00 | 0.93 | 1,440.66 | 6.53 | 0.90 | 871.69 |
| 22 Aug | 12.13 | 0.91 | 996.46 | 25.01 | 0.97 | 2,803.65 | 24.82 | 0.94 | 1,465.48 | 12.13 | 0.91 | 871.69 |
| 23 Aug | 59.32 | 0.96 | 1,055.78 | 6.04 | 0.97 | 2,809.69 | 18.46 | 0.95 | 1,483.94 | 6.04 | 0.96 | 960.10 |
| 24 Aug | 35.65 | 1.00 | 1,091.42 | 7.50 | 0.98 | 2,817.19 | 2.93 | 0.96 | 1,486.87 | 4.50 | 0.97 | 1040.77 |
| 25 Aug | 0.00 | 1.00 | 1,091.42 | 28.57 | 0.99 | 2,845.77 | 4.93 | 0.96 | 1,491.80 | 3.00 | 0.97 | 1069.09 |
| 26 Aug | 0.00 | 1.00 | 1,091.42 | 16.32 | 0.99 | 2,862.08 | 9.04 | 0.97 | 1,500.83 | 16.32 | 0.98 | 1091.42 |
| 27 Aug | 1.50 | 1.00 | 1,092.92 | 10.25 | 0.99 | 2,872.33 | 14.63 | 0.97 | 1,515.47 | 8.24 | 1.00 | 1091.96 |
| 28 Aug | 1.58 | 1.00 | 1,094.50 | 14.51 | 1.00 | 2,886.83 | 39.34 | 1.00 | 1,554.81 | 3.75 | 1.00 | 1094.50 |
| 29 Aug | | | | | | | | | | | | |
| Total | 1,094.50 | | 2,886.83 | | | 1,554.81 | | | 1094.50 | | | |

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Note: The box indicates the first quartile to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. Dark bands indicate the historical median quartile passage dates. Differences in the termination dates of the project confound computation of the cumulative percent and median as a convenience; the historical daily cumulative and median were computed by assuming that 100% of the run was completed on the date of project termination.

- ^a The Lower Yukon test fishery operated through 15 September in 2010. Percent and quartiles reflect CPUE through 28 August for comparison to past years.
- ^b The Lower Yukon test fishery operated through 20 September in 2011 and 2012. Percent and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix D4.—Historical daily and cumulative catch per unit effort (CPUE) for coho salmon at Big Eddy and Middle Mouth sites combined, Yukon River, 2001–2012.

| Date | 2001 | | | 2002 | | | 2003 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 0.00 | 0.79 |
| 23 Jul | 1.50 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 1.63 |
| 24 Jul | 0.88 | 0.01 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 |
| 25 Jul | 0.00 | 0.01 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 |
| 26 Jul | 0.00 | 0.01 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 |
| 27 Jul | 0.75 | 0.01 | 3.13 | 0.00 | 0.00 | 0.00 | 11.95 | 0.02 | 13.57 |
| 28 Jul | 0.00 | 0.01 | 3.13 | 0.00 | 0.00 | 0.00 | 3.08 | 0.02 | 16.65 |
| 29 Jul | 0.00 | 0.01 | 3.13 | 0.00 | 0.00 | 0.00 | 5.27 | 0.03 | 21.91 |
| 30 Jul | 0.75 | 0.01 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 21.91 |
| 31 Jul | 3.05 | 0.02 | 6.93 | 0.00 | 0.00 | 0.00 | 0.79 | 0.03 | 22.70 |
| 1 Aug | 0.00 | 0.02 | 6.93 | 2.04 | 0.01 | 2.04 | 2.39 | 0.04 | 25.09 |
| 2 Aug | 4.86 | 0.03 | 11.79 | 0.00 | 0.01 | 2.04 | 0.00 | 0.04 | 25.09 |
| 3 Aug | 13.29 | 0.06 | 25.07 | 2.20 | 0.01 | 4.24 | 55.61 | 0.11 | 80.70 |
| 4 Aug | 9.85 | 0.09 | 34.92 | 0.00 | 0.01 | 4.24 | 67.84 | 0.21 | 148.54 |
| 5 Aug | 5.70 | 0.10 | 40.62 | 0.72 | 0.01 | 4.95 | 10.94 | 0.22 | 159.47 |
| 6 Aug | 18.03 | 0.15 | 58.65 | 0.00 | 0.01 | 4.95 | 0.00 | 0.22 | 159.47 |
| 7 Aug | 50.38 | 0.28 | 109.02 | 5.53 | 0.03 | 10.48 | 0.77 | 0.23 | 160.24 |
| 8 Aug | 21.82 | 0.33 | 130.84 | 5.18 | 0.04 | 15.66 | 0.00 | 0.23 | 160.24 |
| 9 Aug | 14.08 | 0.37 | 144.92 | 16.70 | 0.08 | 32.35 | 5.15 | 0.23 | 165.39 |
| 10 Aug | 27.75 | 0.44 | 172.67 | 9.56 | 0.11 | 41.91 | 12.64 | 0.25 | 178.03 |
| 11 Aug | 15.41 | 0.48 | 188.07 | 26.15 | 0.18 | 68.06 | 7.62 | 0.26 | 185.65 |
| 12 Aug | 28.61 | 0.55 | 216.68 | 15.58 | 0.22 | 83.63 | 33.53 | 0.31 | 219.17 |
| 13 Aug | 31.52 | 0.63 | 248.20 | 21.92 | 0.28 | 105.55 | 3.08 | 0.31 | 222.25 |
| 14 Aug | 28.23 | 0.70 | 276.42 | 5.34 | 0.29 | 110.89 | 53.68 | 0.39 | 275.93 |
| 15 Aug | 34.28 | 0.79 | 310.70 | 20.02 | 0.34 | 130.90 | 261.64 | 0.76 | 537.56 |
| 16 Aug | 13.58 | 0.82 | 324.28 | 102.86 | 0.61 | 233.76 | 41.42 | 0.81 | 578.98 |
| 17 Aug | 11.14 | 0.85 | 335.41 | 45.98 | 0.73 | 279.74 | 10.91 | 0.83 | 589.89 |
| 18 Aug | 9.23 | 0.87 | 344.64 | 34.05 | 0.82 | 313.79 | 13.87 | 0.85 | 603.76 |
| 19 Aug | 15.60 | 0.91 | 360.24 | 22.75 | 0.88 | 336.54 | 2.37 | 0.85 | 606.13 |
| 20 Aug | 2.35 | 0.92 | 362.59 | 10.59 | 0.91 | 347.12 | 2.37 | 0.86 | 608.50 |
| 21 Aug | 11.27 | 0.95 | 373.86 | 3.81 | 0.92 | 350.93 | 10.14 | 0.87 | 618.63 |
| 22 Aug | 14.50 | 0.98 | 388.36 | 17.87 | 0.97 | 368.80 | 44.84 | 0.93 | 663.47 |
| 23 Aug | 1.54 | 0.99 | 389.90 | 3.04 | 0.97 | 371.84 | 24.76 | 0.97 | 688.23 |
| 24 Aug | 2.29 | 0.99 | 392.19 | 3.12 | 0.98 | 374.96 | 13.18 | 0.99 | 701.41 |
| 25 Aug | 0.00 | 0.99 | 392.19 | 0.77 | 0.98 | 375.73 | 3.79 | 0.99 | 705.20 |
| 26 Aug | 1.47 | 1.00 | 393.65 | 1.03 | 0.99 | 376.76 | 3.17 | 1.00 | 708.36 |
| 27 Aug | 0.00 | 1.00 | 393.65 | 0.79 | 0.99 | 377.55 | 0.00 | 1.00 | 708.36 |
| 28 Aug | 0.81 | 1.00 | 394.46 | 4.62 | 1.00 | 382.16 | 3.16 | 1.00 | 711.52 |
| 29 Aug | | | 394.46 | | | 382.16 | | | 711.52 |
| Totals | 394.46 | | | 382.16 | | | 711.52 | | |

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| Date | 2004 | | | 2005 | | | 2006 | | |
|--------|------------|--------------|-----------------|------------|--------------|-----------------|------------|--------------|-----------------|
| | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.72 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.84 |
| 27 Jul | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 2.65 | 0.02 | 3.49 |
| 28 Jul | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 1.50 | 0.03 | 4.99 |
| 29 Jul | 0.00 | 0.00 | 0.72 | 3.64 | 0.01 | 3.64 | 6.17 | 0.06 | 11.16 |
| 30 Jul | 0.00 | 0.00 | 0.72 | 3.13 | 0.02 | 6.76 | 8.30 | 0.10 | 19.46 |
| 31 Jul | 0.00 | 0.00 | 0.72 | 6.68 | 0.04 | 13.44 | 3.98 | 0.12 | 23.43 |
| 1 Aug | 1.35 | 0.01 | 2.06 | 3.11 | 0.06 | 16.55 | 3.69 | 0.14 | 27.12 |
| 2 Aug | 8.00 | 0.03 | 10.06 | 0.73 | 0.06 | 17.28 | 0.75 | 0.15 | 27.87 |
| 3 Aug | 6.67 | 0.06 | 16.73 | 1.45 | 0.06 | 18.73 | 1.03 | 0.15 | 28.89 |
| 4 Aug | 0.00 | 0.06 | 16.73 | 0.00 | 0.06 | 18.73 | 0.00 | 0.15 | 28.89 |
| 5 Aug | 0.77 | 0.06 | 17.50 | 2.65 | 0.07 | 21.38 | 3.18 | 0.17 | 32.07 |
| 6 Aug | 0.00 | 0.06 | 17.50 | 19.87 | 0.14 | 41.25 | 0.00 | 0.17 | 32.07 |
| 7 Aug | 0.00 | 0.06 | 17.50 | 36.04 | 0.26 | 77.29 | 1.27 | 0.18 | 33.34 |
| 8 Aug | 4.68 | 0.07 | 22.17 | 16.83 | 0.31 | 94.11 | 1.11 | 0.18 | 34.45 |
| 9 Aug | 19.97 | 0.14 | 42.14 | 5.63 | 0.33 | 99.74 | 0.67 | 0.19 | 35.12 |
| 10 Aug | 14.38 | 0.19 | 56.52 | 4.41 | 0.35 | 104.15 | 1.58 | 0.19 | 36.70 |
| 11 Aug | 5.39 | 0.21 | 61.90 | 4.18 | 0.36 | 108.33 | 1.61 | 0.20 | 38.30 |
| 12 Aug | 1.39 | 0.21 | 63.29 | 7.96 | 0.39 | 116.28 | 10.21 | 0.26 | 48.51 |
| 13 Aug | 4.02 | 0.23 | 67.31 | 3.85 | 0.40 | 120.13 | 3.80 | 0.28 | 52.31 |
| 14 Aug | 25.69 | 0.31 | 93.00 | 10.42 | 0.43 | 130.55 | 4.01 | 0.30 | 56.32 |
| 15 Aug | 5.26 | 0.33 | 98.25 | 5.49 | 0.45 | 136.03 | 14.16 | 0.37 | 70.47 |
| 16 Aug | 2.40 | 0.34 | 100.65 | 2.99 | 0.46 | 139.02 | 3.31 | 0.39 | 73.78 |
| 17 Aug | 6.61 | 0.36 | 107.25 | 8.57 | 0.49 | 147.59 | 17.65 | 0.48 | 91.43 |
| 18 Aug | 9.01 | 0.39 | 116.26 | 10.89 | 0.53 | 158.48 | 5.97 | 0.52 | 97.40 |
| 19 Aug | 2.36 | 0.40 | 118.62 | 15.29 | 0.58 | 173.77 | 35.84 | 0.71 | 133.24 |
| 20 Aug | 18.72 | 0.46 | 137.34 | 8.79 | 0.61 | 182.56 | 20.74 | 0.82 | 153.98 |
| 21 Aug | 58.75 | 0.66 | 196.09 | 8.14 | 0.63 | 190.69 | 3.92 | 0.84 | 157.89 |
| 22 Aug | 1.52 | 0.66 | 197.61 | 12.00 | 0.67 | 202.69 | 0.00 | 0.84 | 157.89 |
| 23 Aug | 1.48 | 0.67 | 199.09 | 24.81 | 0.76 | 227.50 | 2.79 | 0.85 | 160.68 |
| 24 Aug | 1.50 | 0.67 | 200.59 | 27.81 | 0.85 | 255.31 | 6.03 | 0.88 | 166.71 |
| 25 Aug | 11.75 | 0.71 | 212.33 | 8.05 | 0.88 | 263.36 | 1.69 | 0.89 | 168.40 |
| 26 Aug | 11.29 | 0.75 | 223.62 | 13.02 | 0.92 | 276.38 | 11.60 | 0.95 | 179.99 |
| 27 Aug | 73.83 | 1.00 | 297.45 | 4.28 | 0.93 | 280.66 | 0.79 | 0.96 | 180.78 |
| 28 Aug | | | 297.45 | 2.21 | 0.94 | 282.87 | 7.88 | 1.00 | 188.66 |
| 29 Aug | | | 297.45 | 17.87 | 1.00 | 300.73 | | | 188.66 |
| Totals | 297.45 | | | 300.73 | | | 188.66 | | |

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| Date | 2007 | | | 2008 | | | 2009 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.67 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.00 | 0.00 | 0.67 | 0.72 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 |
| 27 Jul | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 |
| 28 Jul | 0.75 | 0.00 | 1.42 | 2.97 | 0.02 | 3.68 | 0.00 | 0.00 | 0.00 |
| 29 Jul | 0.00 | 0.00 | 1.42 | 0.72 | 0.02 | 4.40 | 0.00 | 0.00 | 0.00 |
| 30 Jul | 1.46 | 0.01 | 2.88 | 2.49 | 0.03 | 6.88 | 4.17 | 0.02 | 4.17 |
| 31 Jul | 0.77 | 0.01 | 3.65 | 3.84 | 0.05 | 10.72 | 0.00 | 0.02 | 4.17 |
| 1 Aug | 0.75 | 0.01 | 4.40 | 1.90 | 0.06 | 12.62 | 0.00 | 0.02 | 4.17 |
| 2 Aug | 11.02 | 0.04 | 15.42 | 2.43 | 0.07 | 15.05 | 1.40 | 0.02 | 5.56 |
| 3 Aug | 5.95 | 0.05 | 21.37 | 2.29 | 0.08 | 17.34 | 0.00 | 0.02 | 5.56 |
| 4 Aug | 1.50 | 0.06 | 22.87 | 1.61 | 0.08 | 18.94 | 0.70 | 0.02 | 6.26 |
| 5 Aug | 4.45 | 0.07 | 27.31 | 0.73 | 0.09 | 19.67 | 7.49 | 0.05 | 13.75 |
| 6 Aug | 24.93 | 0.13 | 52.24 | 4.61 | 0.11 | 24.28 | 2.91 | 0.06 | 16.66 |
| 7 Aug | 36.22 | 0.22 | 88.45 | 8.14 | 0.14 | 32.42 | 0.71 | 0.06 | 17.37 |
| 8 Aug | 27.98 | 0.29 | 116.43 | 2.26 | 0.15 | 34.67 | 15.64 | 0.12 | 33.02 |
| 9 Aug | 1.52 | 0.29 | 117.95 | 2.20 | 0.16 | 36.87 | 31.41 | 0.23 | 64.43 |
| 10 Aug | 0.70 | 0.29 | 118.65 | 0.75 | 0.17 | 37.62 | 42.51 | 0.39 | 106.94 |
| 11 Aug | 9.57 | 0.32 | 128.22 | 0.00 | 0.17 | 37.62 | 9.02 | 0.42 | 115.96 |
| 12 Aug | 43.47 | 0.42 | 171.69 | 6.74 | 0.20 | 44.36 | 4.29 | 0.43 | 120.25 |
| 13 Aug | 108.05 | 0.69 | 279.74 | 20.39 | 0.29 | 64.74 | 3.66 | 0.45 | 123.91 |
| 14 Aug | 19.65 | 0.74 | 299.39 | 21.34 | 0.38 | 86.08 | 3.01 | 0.46 | 126.92 |
| 15 Aug | 5.52 | 0.75 | 304.91 | 5.40 | 0.40 | 91.48 | 1.44 | 0.46 | 128.36 |
| 16 Aug | 6.20 | 0.77 | 311.11 | 4.54 | 0.42 | 96.02 | 10.10 | 0.50 | 138.46 |
| 17 Aug | 6.99 | 0.79 | 318.09 | 0.00 | 0.42 | 96.02 | 12.80 | 0.54 | 151.26 |
| 18 Aug | 2.98 | 0.79 | 321.07 | 5.77 | 0.45 | 101.79 | 5.37 | 0.56 | 156.63 |
| 19 Aug | 4.41 | 0.80 | 325.48 | 10.85 | 0.50 | 112.64 | 34.24 | 0.69 | 190.87 |
| 20 Aug | 8.66 | 0.83 | 334.14 | 5.41 | 0.52 | 118.05 | 36.28 | 0.82 | 227.15 |
| 21 Aug | 3.43 | 0.83 | 337.57 | 9.14 | 0.56 | 127.19 | 12.26 | 0.86 | 239.42 |
| 22 Aug | 0.73 | 0.84 | 338.30 | 20.68 | 0.65 | 147.86 | 13.87 | 0.91 | 253.29 |
| 23 Aug | 2.06 | 0.84 | 340.36 | 5.97 | 0.68 | 153.83 | 3.75 | 0.93 | 257.04 |
| 24 Aug | 5.90 | 0.86 | 346.25 | 10.66 | 0.73 | 164.48 | 1.50 | 0.93 | 258.54 |
| 25 Aug | 18.37 | 0.90 | 364.62 | 30.86 | 0.86 | 195.34 | 6.73 | 0.96 | 265.27 |
| 26 Aug | 16.76 | 0.94 | 381.38 | 12.28 | 0.92 | 207.62 | 5.06 | 0.97 | 270.33 |
| 27 Aug | 2.35 | 0.95 | 383.73 | 10.95 | 0.97 | 218.57 | 5.07 | 0.99 | 275.40 |
| 28 Aug | 20.78 | 1.00 | 404.52 | 7.66 | 1.00 | 226.22 | 2.25 | 1.00 | 277.65 |
| 29 Aug | | | 404.52 | | | 226.22 | | | 277.65 |
| Totals | 404.52 | | | 226.22 | | | 277.65 | | |

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| Date | 2010 ^a | | | 2011 ^b | | | 2012 ^b | | | 2001–2011 Median | | |
|--------|-------------------|------|-----------------|-------------------|--------|-----------------|-------------------|--------|-----------------|------------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 1.50 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 |
| 27 Jul | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 |
| 28 Jul | 1.02 | 0.01 | 2.52 | 3.25 | 0.01 | 3.25 | 0.00 | 0.00 | 0.00 | 0.75 | 0.01 | 2.52 |
| 29 Jul | 1.48 | 0.01 | 4.00 | 1.29 | 0.01 | 4.54 | 0.00 | 0.00 | 0.00 | 0.72 | 0.01 | 3.64 |
| 30 Jul | 0.00 | 0.01 | 4.00 | 10.73 | 0.03 | 15.27 | 3.16 | 0.01 | 3.16 | 1.46 | 0.02 | 4.17 |
| 31 Jul | 2.20 | 0.02 | 6.19 | 2.35 | 0.03 | 17.63 | 0.79 | 0.01 | 3.95 | 2.20 | 0.02 | 6.93 |
| 1 Aug | 0.73 | 0.02 | 6.93 | 2.01 | 0.03 | 19.63 | 5.51 | 0.04 | 9.46 | 1.90 | 0.02 | 6.93 |
| 2 Aug | 0.00 | 0.02 | 6.93 | 3.04 | 0.04 | 22.68 | 1.50 | 0.04 | 10.96 | 1.40 | 0.04 | 15.05 |
| 3 Aug | 3.55 | 0.03 | 10.48 | 0.70 | 0.04 | 23.37 | 1.48 | 0.05 | 12.44 | 2.29 | 0.06 | 18.73 |
| 4 Aug | 0.00 | 0.03 | 10.48 | 2.86 | 0.05 | 26.23 | 1.50 | 0.05 | 13.94 | 0.70 | 0.06 | 18.94 |
| 5 Aug | 1.59 | 0.03 | 12.07 | 9.60 | 0.06 | 35.84 | 4.37 | 0.07 | 18.31 | 3.18 | 0.07 | 21.38 |
| 6 Aug | 3.40 | 0.04 | 15.46 | 8.89 | 0.08 | 44.73 | 2.91 | 0.08 | 21.22 | 3.40 | 0.11 | 32.07 |
| 7 Aug | 4.82 | 0.05 | 20.28 | 6.33 | 0.09 | 51.06 | 1.50 | 0.09 | 22.72 | 5.53 | 0.14 | 33.34 |
| 8 Aug | 0.75 | 0.06 | 21.03 | 5.31 | 0.10 | 56.37 | 3.50 | 0.10 | 26.22 | 5.18 | 0.15 | 34.67 |
| 9 Aug | 4.70 | 0.07 | 25.73 | 6.40 | 0.11 | 62.78 | 12.01 | 0.14 | 38.23 | 5.63 | 0.19 | 62.78 |
| 10 Aug | 36.38 | 0.16 | 62.12 | 2.57 | 0.11 | 65.35 | 2.33 | 0.15 | 40.56 | 9.56 | 0.19 | 65.35 |
| 11 Aug | 26.31 | 0.23 | 88.42 | 0.00 | 0.11 | 65.35 | 13.93 | 0.21 | 54.49 | 7.62 | 0.23 | 88.42 |
| 12 Aug | 15.17 | 0.27 | 103.59 | 8.95 | 0.13 | 74.30 | 2.91 | 0.22 | 57.40 | 10.21 | 0.27 | 103.59 |
| 13 Aug | 7.47 | 0.29 | 111.06 | 24.44 | 0.17 | 98.74 | 16.41 | 0.28 | 73.82 | 7.47 | 0.29 | 111.06 |
| 14 Aug | 1.49 | 0.30 | 112.55 | 21.47 | 0.21 | 120.22 | 8.23 | 0.31 | 82.05 | 19.65 | 0.38 | 120.22 |
| 15 Aug | – | 0.30 | 112.55 | 46 | 0.29 | 165.92 | 9 | 0.34 | 91.13 | 9.84 | 0.40 | 130.90 |
| 16 Aug | 72.56 | 0.49 | 185.11 | 6.13 | 0.30 | 172.06 | 30.49 | 0.46 | 121.62 | 6.20 | 0.49 | 172.06 |
| 17 Aug | 42.67 | 0.60 | 227.77 | 3.68 | 0.31 | 175.74 | 46.92 | 0.64 | 168.54 | 10.91 | 0.54 | 175.74 |
| 18 Aug | 23.05 | 0.67 | 250.82 | 1.50 | 0.31 | 177.24 | 13.14 | 0.69 | 181.68 | 9.01 | 0.56 | 177.24 |
| 19 Aug | 32.38 | 0.75 | 283.20 | 25.47 | 0.36 | 202.71 | 17.75 | 0.75 | 199.43 | 15.60 | 0.71 | 202.71 |
| 20 Aug | 13.46 | 0.79 | 296.66 | 142.71 | 0.61 | 345.42 | 32.81 | 0.88 | 232.24 | 10.59 | 0.82 | 296.66 |
| 21 Aug | 8.26 | 0.81 | 304.91 | 150.51 | 0.87 | 495.93 | 1.00 | 0.88 | 233.24 | 9.14 | 0.84 | 304.91 |
| 22 Aug | 21.76 | 0.87 | 326.68 | 26.76 | 0.92 | 522.69 | 3.68 | 0.90 | 236.92 | 14.50 | 0.87 | 326.68 |
| 23 Aug | 26.17 | 0.94 | 352.84 | 16.25 | 0.94 | 538.94 | 7.69 | 0.92 | 244.61 | 3.75 | 0.93 | 340.36 |
| 24 Aug | 11.09 | 0.97 | 363.93 | 13.03 | 0.97 | 551.97 | 6.08 | 0.95 | 250.69 | 6.03 | 0.93 | 346.25 |
| 25 Aug | 5.20 | 0.98 | 369.13 | 0.00 | 0.97 | 551.97 | 0.75 | 0.95 | 251.44 | 5.20 | 0.96 | 364.62 |
| 26 Aug | 1.60 | 0.98 | 370.73 | 3.71 | 0.97 | 555.68 | 1.54 | 0.96 | 252.98 | 5.06 | 0.97 | 370.73 |
| 27 Aug | 3.02 | 0.99 | 373.74 | 7.29 | 0.99 | 562.97 | 7.39 | 0.98 | 260.37 | 3.02 | 0.99 | 373.74 |
| 28 Aug | 3.02 | 1.00 | 376.76 | 7.85 | 1.00 | 570.83 | 4.23 | 1.00 | 264.59 | 3.89 | 1.00 | 376.76 |
| 29 Aug | Totals | | | 376.76 | 570.83 | | | 264.59 | 376.76 | | | |

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Note: The box indicates the first quartile to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. Dark bands indicate the historical median quartile passage dates. Differences in the termination dates of the project confound computation of the cumulative percent and median as a convenience; the historical daily cumulative and median were computed by assuming that 100% of the run was completed on the date of project termination.

- ^a The Lower Yukon test fishery operated through 15 September in 2010. Percent and quartiles reflect CPUE through 28 August for comparison to past years.
- ^b The Lower Yukon test fishery operated through 20 September in 2011 and 2012. Percent and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix D5.—Historical and daily and cumulative catch per unit effort (CPUE) for coho salmon, Big Eddy (Sites 1 and 2 and includes Site 3 in 2009), Yukon River, 2001–2012.

| Date | 2001 | | | 2002 | | | 2003 | | |
|--------|------------|--------------|--------|------------|--------------|--------|------------|--------------|--------|
| | Daily CPUE | Cumulative % | CPU | Daily CPUE | Cumulative % | CPU | Daily CPUE | Cumulative % | CPU |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 1.58 |
| 23 Jul | 3.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 3.25 |
| 24 Jul | 0.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 |
| 25 Jul | 0.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 |
| 26 Jul | 0.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 |
| 27 Jul | 1.50 | 0.02 | 4.50 | 0.00 | 0.00 | 0.00 | 23.89 | 0.04 | 27.14 |
| 28 Jul | 0.00 | 0.02 | 4.50 | 0.00 | 0.00 | 0.00 | 1.62 | 0.04 | 28.76 |
| 29 Jul | 0.00 | 0.02 | 4.50 | 0.00 | 0.00 | 0.00 | 1.58 | 0.04 | 30.34 |
| 30 Jul | 1.50 | 0.02 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 30.34 |
| 31 Jul | 4.67 | 0.04 | 10.67 | 0.00 | 0.00 | 0.00 | 1.58 | 0.05 | 31.92 |
| 1 Aug | 0.00 | 0.04 | 10.67 | 4.07 | 0.01 | 4.07 | 1.62 | 0.05 | 33.54 |
| 2 Aug | 5.31 | 0.06 | 15.98 | 0.00 | 0.01 | 4.07 | 0.00 | 0.05 | 33.54 |
| 3 Aug | 12.81 | 0.11 | 28.79 | 4.40 | 0.02 | 8.47 | 63.30 | 0.14 | 96.84 |
| 4 Aug | 7.34 | 0.13 | 36.13 | 0.00 | 0.02 | 8.47 | 76.98 | 0.25 | 173.82 |
| 5 Aug | 9.82 | 0.17 | 45.95 | 0.00 | 0.02 | 8.47 | 8.70 | 0.27 | 182.52 |
| 6 Aug | 16.84 | 0.23 | 62.79 | 0.00 | 0.02 | 8.47 | 0.00 | 0.27 | 182.52 |
| 7 Aug | 64.60 | 0.47 | 127.39 | 6.44 | 0.04 | 14.91 | 0.00 | 0.27 | 182.52 |
| 8 Aug | 13.33 | 0.52 | 140.72 | 10.35 | 0.06 | 25.26 | 0.00 | 0.27 | 182.52 |
| 9 Aug | 11.78 | 0.56 | 152.50 | 28.89 | 0.13 | 54.15 | 8.58 | 0.28 | 191.10 |
| 10 Aug | 28.88 | 0.66 | 181.38 | 19.12 | 0.18 | 73.27 | 23.66 | 0.31 | 214.76 |
| 11 Aug | 9.95 | 0.70 | 191.33 | 15.37 | 0.22 | 88.64 | 6.24 | 0.32 | 221.00 |
| 12 Aug | 37.47 | 0.84 | 228.80 | 22.18 | 0.27 | 110.82 | 21.67 | 0.35 | 242.67 |
| 13 Aug | 4.11 | 0.85 | 232.91 | 16.84 | 0.32 | 127.66 | 0.00 | 0.35 | 242.67 |
| 14 Aug | 6.08 | 0.88 | 238.99 | 5.81 | 0.33 | 133.47 | 71.85 | 0.46 | 314.52 |
| 15 Aug | 3.04 | 0.89 | 242.03 | 38.45 | 0.43 | 171.92 | 248.71 | 0.82 | 563.23 |
| 16 Aug | 3.04 | 0.90 | 245.07 | 168.01 | 0.84 | 339.93 | 25.04 | 0.86 | 588.27 |
| 17 Aug | 0.00 | 0.90 | 245.07 | 18.88 | 0.89 | 358.81 | 0.00 | 0.86 | 588.27 |
| 18 Aug | 6.19 | 0.92 | 251.26 | 14.40 | 0.92 | 373.21 | 11.82 | 0.88 | 600.09 |
| 19 Aug | 0.00 | 0.92 | 251.26 | 11.05 | 0.95 | 384.26 | 0.00 | 0.88 | 600.09 |
| 20 Aug | 0.00 | 0.92 | 251.26 | 1.43 | 0.96 | 385.69 | 0.00 | 0.88 | 600.09 |
| 21 Aug | 11.11 | 0.96 | 262.37 | 1.58 | 0.96 | 387.27 | 18.69 | 0.90 | 618.78 |
| 22 Aug | 8.93 | 0.99 | 271.30 | 9.36 | 0.98 | 396.63 | 6.40 | 0.91 | 625.18 |
| 23 Aug | 0.00 | 0.99 | 271.30 | 0.00 | 0.98 | 396.63 | 35.98 | 0.97 | 661.16 |
| 24 Aug | 0.00 | 0.99 | 271.30 | 3.24 | 0.99 | 399.87 | 8.92 | 0.98 | 670.08 |
| 25 Aug | 0.00 | 0.99 | 271.30 | 0.00 | 0.99 | 399.87 | 6.00 | 0.99 | 676.08 |
| 26 Aug | 0.00 | 0.99 | 271.30 | 2.05 | 1.00 | 401.92 | 1.67 | 0.99 | 677.75 |
| 27 Aug | 0.00 | 0.99 | 271.30 | 1.58 | 1.00 | 403.50 | 0.00 | 0.99 | 677.75 |
| 28 Aug | 1.50 | 1.00 | 272.80 | 0.00 | 1.00 | 403.50 | 6.32 | 1.00 | 684.07 |
| 29 Aug | | | 272.80 | | | 403.50 | | | 684.07 |
| Total | 272.80 | | | 403.50 | | | 684.07 | | |

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| Date | 2004 | | 2005 | | 2006 | |
|--------|------------|--------------|------------|--------------|------------|--------------|
| | Daily CPUE | Cumulative % | Daily CPUE | Cumulative % | Daily CPUE | Cumulative % |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 1.43 | 0.01 | 1.43 | 0.00 | 0.00 | 0.00 |
| 27 Jul | 0.00 | 0.01 | 1.43 | 0.00 | 0.00 | 1.36 |
| 28 Jul | 0.00 | 0.01 | 1.43 | 0.00 | 0.00 | 3.00 |
| 29 Jul | 0.00 | 0.01 | 1.43 | 7.27 | 0.02 | 7.27 |
| 30 Jul | 0.00 | 0.01 | 1.43 | 1.82 | 0.03 | 9.09 |
| 31 Jul | 0.00 | 0.01 | 1.43 | 13.36 | 0.07 | 22.45 |
| 1 Aug | 2.69 | 0.04 | 4.12 | 6.22 | 0.09 | 28.67 |
| 2 Aug | 12.67 | 0.16 | 16.79 | 1.46 | 0.10 | 30.13 |
| 3 Aug | 0.00 | 0.16 | 16.79 | 1.43 | 0.10 | 31.56 |
| 4 Aug | 0.00 | 0.16 | 16.79 | 0.00 | 0.10 | 31.56 |
| 5 Aug | 0.00 | 0.16 | 16.79 | 5.30 | 0.12 | 36.86 |
| 6 Aug | 0.00 | 0.16 | 16.79 | 39.74 | 0.25 | 76.60 |
| 7 Aug | 0.00 | 0.16 | 16.79 | 33.15 | 0.36 | 109.75 |
| 8 Aug | 9.35 | 0.25 | 26.14 | 23.93 | 0.44 | 133.68 |
| 9 Aug | 1.50 | 0.27 | 27.64 | 8.00 | 0.47 | 141.68 |
| 10 Aug | 1.46 | 0.28 | 29.10 | 7.32 | 0.49 | 149.00 |
| 11 Aug | 0.00 | 0.28 | 29.10 | 8.36 | 0.52 | 157.36 |
| 12 Aug | 1.28 | 0.29 | 30.38 | 8.13 | 0.55 | 165.49 |
| 13 Aug | 5.08 | 0.34 | 35.46 | 0.00 | 0.55 | 165.49 |
| 14 Aug | 0.00 | 0.34 | 35.46 | 14.19 | 0.59 | 179.68 |
| 15 Aug | 0.00 | 0.34 | 35.46 | 9.35 | 0.63 | 189.03 |
| 16 Aug | 0.00 | 0.34 | 35.46 | 2.82 | 0.64 | 191.85 |
| 17 Aug | 1.28 | 0.35 | 36.74 | 12.34 | 0.68 | 204.19 |
| 18 Aug | 0.00 | 0.35 | 36.74 | 20.32 | 0.74 | 224.51 |
| 19 Aug | 0.00 | 0.35 | 36.74 | 27.58 | 0.83 | 252.09 |
| 20 Aug | 9.16 | 0.44 | 45.90 | 4.36 | 0.85 | 256.45 |
| 21 Aug | 0.00 | 0.44 | 45.90 | 1.40 | 0.85 | 257.85 |
| 22 Aug | 0.00 | 0.44 | 45.90 | 1.50 | 0.86 | 259.35 |
| 23 Aug | 1.46 | 0.46 | 47.36 | 4.62 | 0.87 | 263.97 |
| 24 Aug | 3.00 | 0.48 | 50.36 | 7.62 | 0.90 | 271.59 |
| 25 Aug | 3.00 | 0.51 | 53.36 | 6.79 | 0.92 | 278.38 |
| 26 Aug | 6.85 | 0.58 | 60.21 | 7.62 | 0.95 | 286.00 |
| 27 Aug | 43.63 | 1.00 | 103.84 | 7.06 | 0.97 | 293.06 |
| 28 Aug | 0.00 | 1.00 | 103.84 | 1.46 | 0.98 | 294.52 |
| | | | 103.84 | 7.50 | 1.00 | 302.02 |
| Total | 103.84 | | | 302.02 | | 183.63 |

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| Date | 2007 | | | 2008 | | | 2009 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 1.33 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.00 | 0.00 | 1.33 | 1.43 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 |
| 27 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 |
| 28 Jul | 0.00 | 0.00 | 1.33 | 3.00 | 0.01 | 4.43 | 0.00 | 0.00 | 0.00 |
| 29 Jul | 0.00 | 0.00 | 1.33 | 0.00 | 0.01 | 4.43 | 0.00 | 0.00 | 0.00 |
| 30 Jul | 2.93 | 0.01 | 4.26 | 3.39 | 0.03 | 7.82 | 8.33 | 0.06 | 8.33 |
| 31 Jul | 0.00 | 0.01 | 4.26 | 7.67 | 0.05 | 15.49 | 0.00 | 0.06 | 8.33 |
| 1 Aug | 1.50 | 0.01 | 5.76 | 2.22 | 0.06 | 17.71 | 0.00 | 0.06 | 8.33 |
| 2 Aug | 22.04 | 0.07 | 27.80 | 4.86 | 0.08 | 22.57 | 0.00 | 0.06 | 8.33 |
| 3 Aug | 10.43 | 0.09 | 38.23 | 1.58 | 0.08 | 24.15 | 0.00 | 0.06 | 8.33 |
| 4 Aug | 0.00 | 0.09 | 38.23 | 3.21 | 0.09 | 27.36 | 0.00 | 0.06 | 8.33 |
| 5 Aug | 0.00 | 0.09 | 38.23 | 0.00 | 0.09 | 27.36 | 0.00 | 0.06 | 8.33 |
| 6 Aug | 32.17 | 0.17 | 70.40 | 9.22 | 0.12 | 36.58 | 0.00 | 0.06 | 8.33 |
| 7 Aug | 28.02 | 0.24 | 98.42 | 16.27 | 0.18 | 52.85 | 0.00 | 0.06 | 8.33 |
| 8 Aug | 0.00 | 0.24 | 98.42 | 0.00 | 0.18 | 52.85 | 13.89 | 0.15 | 22.22 |
| 9 Aug | 1.54 | 0.24 | 99.96 | 1.54 | 0.18 | 54.39 | 12.03 | 0.23 | 34.25 |
| 10 Aug | 1.40 | 0.24 | 101.35 | 0.00 | 0.18 | 54.39 | 17.10 | 0.34 | 51.36 |
| 11 Aug | 17.64 | 0.29 | 118.99 | 0.00 | 0.18 | 54.39 | 1.95 | 0.36 | 53.31 |
| 12 Aug | 80.94 | 0.48 | 199.94 | 11.85 | 0.22 | 66.24 | 1.00 | 0.36 | 54.31 |
| 13 Aug | 124.30 | 0.78 | 324.23 | 37.69 | 0.35 | 103.93 | 0.00 | 0.36 | 54.31 |
| 14 Aug | 12.31 | 0.81 | 336.54 | 31.39 | 0.46 | 135.32 | 3.03 | 0.38 | 57.33 |
| 15 Aug | 0.00 | 0.81 | 336.54 | 7.69 | 0.48 | 143.01 | 2.88 | 0.40 | 60.21 |
| 16 Aug | 0.00 | 0.81 | 336.54 | 9.08 | 0.51 | 152.09 | 14.16 | 0.50 | 74.37 |
| 17 Aug | 3.08 | 0.82 | 339.62 | 0.00 | 0.51 | 152.09 | 22.59 | 0.65 | 96.96 |
| 18 Aug | 2.96 | 0.83 | 342.58 | 4.29 | 0.53 | 156.38 | 7.67 | 0.70 | 104.63 |
| 19 Aug | 4.39 | 0.84 | 346.97 | 21.70 | 0.60 | 178.08 | 22.78 | 0.85 | 127.41 |
| 20 Aug | 0.00 | 0.84 | 346.97 | 3.04 | 0.61 | 181.12 | 5.80 | 0.89 | 133.22 |
| 21 Aug | 0.00 | 0.84 | 346.97 | 1.50 | 0.62 | 182.62 | 3.76 | 0.91 | 136.98 |
| 22 Aug | 0.00 | 0.84 | 346.97 | 16.37 | 0.67 | 198.99 | 10.03 | 0.98 | 147.01 |
| 23 Aug | 1.11 | 0.84 | 348.08 | 0.00 | 0.67 | 198.99 | 1.54 | 0.99 | 148.55 |
| 24 Aug | 10.29 | 0.87 | 358.37 | 9.49 | 0.70 | 208.48 | 0.00 | 0.99 | 148.55 |
| 25 Aug | 16.25 | 0.91 | 374.63 | 52.64 | 0.88 | 261.12 | 1.54 | 1.00 | 150.09 |
| 26 Aug | 22.86 | 0.96 | 397.49 | 18.97 | 0.95 | 280.09 | 0.00 | 1.00 | 150.09 |
| 27 Aug | 1.54 | 0.96 | 399.02 | 14.24 | 0.99 | 294.33 | 0.00 | 1.00 | 150.09 |
| 28 Aug | 14.69 | 1.00 | 413.71 | 1.54 | 1.00 | 295.87 | 0.00 | 1.00 | 150.09 |
| 29 Aug | | | 413.71 | | 1.00 | 295.87 | | | 150.09 |
| Total | 413.71 | | | 295.87 | | | 150.09 | | |

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| Date | 2010 ^a | | | 2011 ^b | | | 2012 ^b | | | 2001–2011 Median | | |
|--------|-------------------|--------------|-----------------|-------------------|--------------|-----------------|-------------------|--------------|-----------------|------------------|--------------|-----------------|
| | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 3.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 |
| 27 Jul | 0.00 | 0.01 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 |
| 28 Jul | 2.03 | 0.02 | 5.03 | 1.46 | 0.00 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 |
| 29 Jul | 0.00 | 0.02 | 5.03 | 1.25 | 0.01 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.43 |
| 30 Jul | 0.00 | 0.02 | 5.03 | 21.47 | 0.05 | 24.18 | 6.32 | 0.03 | 6.32 | 1.82 | 0.03 | 7.82 |
| 31 Jul | 0.00 | 0.02 | 5.03 | 4.71 | 0.06 | 28.89 | 1.58 | 0.03 | 7.89 | 0.00 | 0.05 | 10.67 |
| 1 Aug | 0.00 | 0.02 | 5.03 | 0.00 | 0.06 | 28.89 | 6.87 | 0.06 | 14.77 | 1.50 | 0.05 | 10.67 |
| 2 Aug | 0.00 | 0.02 | 5.03 | 2.93 | 0.07 | 31.81 | 3.00 | 0.08 | 17.77 | 1.50 | 0.07 | 20.65 |
| 3 Aug | 7.11 | 0.05 | 12.14 | 1.40 | 0.07 | 33.21 | 2.96 | 0.09 | 20.73 | 1.58 | 0.09 | 24.15 |
| 4 Aug | 0.00 | 0.05 | 12.14 | 5.71 | 0.08 | 38.92 | 3.00 | 0.10 | 23.73 | 0.00 | 0.09 | 27.36 |
| 5 Aug | 3.18 | 0.07 | 15.32 | 16.99 | 0.12 | 55.91 | 5.58 | 0.13 | 29.31 | 3.18 | 0.12 | 27.36 |
| 6 Aug | 5.49 | 0.09 | 20.81 | 4.25 | 0.13 | 60.16 | 1.50 | 0.14 | 30.81 | 4.25 | 0.15 | 36.58 |
| 7 Aug | 8.41 | 0.13 | 29.21 | 0.00 | 0.13 | 60.16 | 1.50 | 0.14 | 32.31 | 6.44 | 0.16 | 52.85 |
| 8 Aug | 0.00 | 0.13 | 29.21 | 6.00 | 0.14 | 66.16 | 0.00 | 0.14 | 32.31 | 6.00 | 0.18 | 52.85 |
| 9 Aug | 0.00 | 0.13 | 29.21 | 1.50 | 0.14 | 67.66 | 2.86 | 0.15 | 35.17 | 1.54 | 0.23 | 54.39 |
| 10 Aug | 23.11 | 0.23 | 52.33 | 0.00 | 0.14 | 67.66 | 1.50 | 0.16 | 36.67 | 7.32 | 0.24 | 67.66 |
| 11 Aug | 5.46 | 0.26 | 57.79 | 0.00 | 0.14 | 67.66 | 26.35 | 0.28 | 63.02 | 5.46 | 0.28 | 67.66 |
| 12 Aug | 10.73 | 0.31 | 68.52 | 14.48 | 0.17 | 82.14 | 3.04 | 0.29 | 66.06 | 14.48 | 0.31 | 82.14 |
| 13 Aug | 1.46 | 0.31 | 69.99 | 7.33 | 0.19 | 89.47 | 32.83 | 0.43 | 98.89 | 4.11 | 0.35 | 103.93 |
| 14 Aug | 0.00 | 0.31 | 69.99 | 0.00 | 0.19 | 89.47 | 12.04 | 0.49 | 110.93 | 5.81 | 0.38 | 133.47 |
| 15 Aug | – | 0.31 | 69.99 | 34 | 0.26 | 123.92 | 9 | 0.53 | 120.24 | 8.52 | 0.44 | 143.01 |
| 16 Aug | 29.20 | 0.44 | 99.18 | 5.85 | 0.27 | 129.77 | 50.12 | 0.75 | 170.36 | 5.85 | 0.51 | 152.09 |
| 17 Aug | 30.85 | 0.58 | 130.03 | 1.50 | 0.28 | 131.27 | 31.04 | 0.88 | 201.40 | 3.08 | 0.65 | 152.09 |
| 18 Aug | 14.51 | 0.64 | 144.54 | 0.00 | 0.28 | 131.27 | 16.00 | 0.95 | 217.40 | 6.19 | 0.70 | 156.38 |
| 19 Aug | 0.00 | 0.64 | 144.54 | 42.74 | 0.37 | 174.00 | 0.00 | 0.95 | 217.40 | 11.05 | 0.83 | 178.08 |
| 20 Aug | 0.00 | 0.64 | 144.54 | 91.58 | 0.56 | 265.59 | 0.00 | 0.95 | 217.40 | 3.04 | 0.84 | 251.26 |
| 21 Aug | 4.43 | 0.66 | 148.98 | 106.11 | 0.78 | 371.69 | 0.00 | 0.95 | 217.40 | 3.76 | 0.84 | 257.85 |
| 22 Aug | 29.20 | 0.79 | 178.17 | 35.83 | 0.86 | 407.53 | 0.00 | 0.95 | 217.40 | 8.93 | 0.86 | 259.35 |
| 23 Aug | 22.47 | 0.89 | 200.64 | 23.52 | 0.91 | 431.05 | 0.00 | 0.95 | 217.40 | 1.54 | 0.89 | 263.97 |
| 24 Aug | 5.63 | 0.92 | 206.27 | 21.57 | 0.95 | 452.62 | 9.23 | 0.99 | 226.63 | 5.63 | 0.92 | 271.30 |
| 25 Aug | 3.00 | 0.93 | 209.27 | 0.00 | 0.95 | 452.62 | 1.50 | 1.00 | 228.13 | 3.00 | 0.93 | 271.30 |
| 26 Aug | 3.20 | 0.95 | 212.47 | 4.50 | 0.96 | 457.12 | 0.00 | 1.00 | 228.13 | 4.50 | 0.96 | 280.09 |
| 27 Aug | 6.04 | 0.97 | 218.51 | 2.96 | 0.97 | 460.09 | 0.00 | 1.00 | 228.13 | 1.58 | 0.99 | 293.06 |
| 28 Aug | 6.04 | 1.00 | 224.55 | 15.71 | 1.00 | 475.79 | 0.00 | 1.00 | 228.13 | 1.54 | 1.00 | 294.52 |
| 29 Aug | Total | 224.55 | | 475.79 | | | 228.13 | | | 294.52 | | |

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Note: The box indicates the first quartile to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. Dark bands indicate the historical median quartile passage dates. Differences in the termination dates of the project confound computation of the cumulative percent and median as a convenience; the historical daily cumulative and median were computed by assuming that 100% of the run was completed on the date of project termination.

- ^a The Lower Yukon test fishery operated through 15 September in 2010. Percent and quartiles reflect CPUE through 28 August for comparison to past years.
- ^b The Lower Yukon test fishery operated through 20 September in 2011 and 2012. Percent and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix D6.—Historical and daily and cumulative catch per unit effort (CPUE) for coho salmon, Middle Mouth (Sites 1 and 2), Yukon River, 2001–2012.

| Date | 2001 | | | 2002 | | | 2003 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 1.76 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 Jul | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 Jul | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 4.53 | 0.01 | 4.53 |
| 29 Jul | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 8.95 | 0.02 | 13.48 |
| 30 Jul | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 13.48 |
| 31 Jul | 1.43 | 0.01 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 13.48 |
| 1 Aug | 0.00 | 0.01 | 3.19 | 0.00 | 0.00 | 0.00 | 3.16 | 0.02 | 16.64 |
| 2 Aug | 4.40 | 0.01 | 7.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 16.64 |
| 3 Aug | 13.76 | 0.04 | 21.35 | 0.00 | 0.00 | 0.00 | 47.92 | 0.09 | 64.56 |
| 4 Aug | 12.35 | 0.07 | 33.70 | 0.00 | 0.00 | 0.00 | 58.69 | 0.17 | 123.25 |
| 5 Aug | 1.58 | 0.07 | 35.28 | 1.43 | 0.00 | 1.43 | 13.17 | 0.18 | 136.42 |
| 6 Aug | 19.22 | 0.11 | 54.50 | 0.00 | 0.00 | 1.43 | 0.00 | 0.18 | 136.42 |
| 7 Aug | 36.15 | 0.18 | 90.65 | 4.62 | 0.02 | 6.05 | 1.54 | 0.19 | 137.96 |
| 8 Aug | 30.31 | 0.23 | 120.96 | 0.00 | 0.02 | 6.05 | 0.00 | 0.19 | 137.96 |
| 9 Aug | 16.37 | 0.27 | 137.33 | 4.50 | 0.03 | 10.55 | 1.71 | 0.19 | 139.67 |
| 10 Aug | 26.62 | 0.32 | 163.95 | 0.00 | 0.03 | 10.55 | 1.62 | 0.19 | 141.29 |
| 11 Aug | 20.86 | 0.36 | 184.81 | 36.92 | 0.13 | 47.47 | 9.00 | 0.20 | 150.29 |
| 12 Aug | 19.74 | 0.40 | 204.55 | 8.97 | 0.16 | 56.44 | 45.38 | 0.26 | 195.67 |
| 13 Aug | 58.93 | 0.51 | 263.48 | 27.00 | 0.23 | 83.44 | 6.16 | 0.27 | 201.83 |
| 14 Aug | 50.37 | 0.61 | 313.85 | 4.86 | 0.24 | 88.30 | 35.50 | 0.32 | 237.33 |
| 15 Aug | 65.52 | 0.74 | 379.37 | 1.58 | 0.25 | 89.88 | 274.56 | 0.69 | 511.89 |
| 16 Aug | 24.11 | 0.78 | 403.48 | 37.71 | 0.35 | 127.59 | 57.79 | 0.77 | 569.68 |
| 17 Aug | 22.27 | 0.82 | 425.75 | 73.08 | 0.56 | 200.67 | 21.82 | 0.80 | 591.50 |
| 18 Aug | 12.27 | 0.85 | 438.02 | 53.70 | 0.70 | 254.37 | 15.92 | 0.82 | 607.42 |
| 19 Aug | 31.19 | 0.91 | 469.21 | 34.44 | 0.80 | 288.81 | 4.74 | 0.83 | 612.16 |
| 20 Aug | 4.70 | 0.92 | 473.91 | 19.74 | 0.86 | 308.55 | 4.74 | 0.83 | 616.90 |
| 21 Aug | 11.43 | 0.94 | 485.34 | 6.04 | 0.87 | 314.59 | 1.58 | 0.84 | 618.48 |
| 22 Aug | 20.07 | 0.98 | 505.41 | 26.38 | 0.94 | 340.97 | 83.27 | 0.95 | 701.75 |
| 23 Aug | 3.08 | 0.99 | 508.49 | 6.08 | 0.96 | 347.05 | 13.54 | 0.97 | 715.29 |
| 24 Aug | 4.58 | 0.99 | 513.07 | 3.00 | 0.97 | 350.05 | 17.44 | 0.99 | 732.73 |
| 25 Aug | 0.00 | 0.99 | 513.07 | 1.54 | 0.97 | 351.59 | 1.58 | 0.99 | 734.31 |
| 26 Aug | 2.93 | 1.00 | 516.00 | 0.00 | 0.97 | 351.59 | 4.66 | 1.00 | 738.97 |
| 27 Aug | 0.00 | 1.00 | 516.00 | 0.00 | 0.97 | 351.59 | | 1.00 | 738.97 |
| 28 Aug | 0.12 | 1.00 | 516.12 | 9.23 | 1.00 | 360.82 | | 1.00 | 738.97 |
| 29 Aug | | | 516.12 | | | 360.82 | | | 738.97 |
| Total | 516.12 | | | 360.82 | | | 738.97 | | |

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| Date | 2004 | | | 2005 | | | 2006 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 0.01 | 1.67 |
| 27 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.94 | 0.03 | 5.61 |
| 28 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 5.61 |
| 29 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 0.03 | 6.59 |
| 30 Jul | 0.00 | 0.00 | 0.00 | 4.43 | 0.01 | 4.43 | 13.17 | 0.10 | 19.76 |
| 31 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 4.43 | 7.95 | 0.14 | 27.71 |
| 1 Aug | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 4.43 | 7.37 | 0.18 | 35.08 |
| 2 Aug | 3.33 | 0.01 | 3.33 | 0.00 | 0.01 | 4.43 | 0.00 | 0.18 | 35.08 |
| 3 Aug | 13.33 | 0.03 | 16.66 | 1.46 | 0.02 | 5.89 | 2.05 | 0.19 | 37.13 |
| 4 Aug | 0.00 | 0.03 | 16.66 | 0.00 | 0.02 | 5.89 | 0.00 | 0.19 | 37.13 |
| 5 Aug | 1.54 | 0.04 | 18.20 | 0.00 | 0.02 | 5.89 | 0.00 | 0.19 | 37.13 |
| 6 Aug | 0.00 | 0.04 | 18.20 | 0.00 | 0.02 | 5.89 | 0.00 | 0.19 | 37.13 |
| 7 Aug | 0.00 | 0.04 | 18.20 | 38.93 | 0.15 | 44.82 | 1.00 | 0.20 | 38.13 |
| 8 Aug | 0.00 | 0.04 | 18.20 | 9.72 | 0.18 | 54.54 | 2.22 | 0.21 | 40.35 |
| 9 Aug | 38.44 | 0.12 | 56.64 | 3.25 | 0.19 | 57.79 | 1.33 | 0.22 | 41.68 |
| 10 Aug | 27.29 | 0.17 | 83.93 | 1.50 | 0.20 | 59.29 | 0.00 | 0.22 | 41.68 |
| 11 Aug | 10.77 | 0.19 | 94.70 | 0.00 | 0.20 | 59.29 | 3.21 | 0.23 | 44.89 |
| 12 Aug | 1.50 | 0.20 | 96.20 | 7.78 | 0.22 | 67.07 | 1.76 | 0.24 | 46.65 |
| 13 Aug | 2.96 | 0.20 | 99.16 | 7.69 | 0.25 | 74.76 | 4.44 | 0.26 | 51.09 |
| 14 Aug | 51.37 | 0.31 | 150.53 | 6.65 | 0.27 | 81.41 | 6.40 | 0.30 | 57.49 |
| 15 Aug | 10.51 | 0.33 | 161.04 | 1.62 | 0.28 | 83.03 | 3.16 | 0.31 | 60.65 |
| 16 Aug | 4.79 | 0.34 | 165.83 | 3.16 | 0.29 | 86.19 | 4.86 | 0.34 | 65.51 |
| 17 Aug | 11.93 | 0.36 | 177.76 | 4.80 | 0.30 | 90.99 | 9.73 | 0.39 | 75.24 |
| 18 Aug | 18.02 | 0.40 | 195.78 | 1.46 | 0.31 | 92.45 | 6.09 | 0.42 | 81.33 |
| 19 Aug | 4.72 | 0.41 | 200.50 | 3.00 | 0.32 | 95.45 | 53.46 | 0.70 | 134.79 |
| 20 Aug | 28.28 | 0.47 | 228.78 | 13.21 | 0.36 | 108.66 | 28.30 | 0.84 | 163.09 |
| 21 Aug | 117.49 | 0.71 | 346.27 | 14.87 | 0.41 | 123.53 | 3.33 | 0.86 | 166.42 |
| 22 Aug | 3.04 | 0.71 | 349.31 | 22.50 | 0.49 | 146.03 | 0.00 | 0.86 | 166.42 |
| 23 Aug | 1.50 | 0.71 | 350.81 | 45.00 | 0.64 | 191.03 | 0.00 | 0.86 | 166.42 |
| 24 Aug | 0.00 | 0.71 | 350.81 | 48.00 | 0.80 | 239.03 | 9.26 | 0.91 | 175.68 |
| 25 Aug | 20.49 | 0.76 | 371.30 | 9.31 | 0.83 | 248.34 | 3.38 | 0.92 | 179.06 |
| 26 Aug | 15.72 | 0.79 | 387.02 | 18.41 | 0.89 | 266.75 | 6.33 | 0.96 | 185.39 |
| 27 Aug | 104.03 | 1.00 | 491.05 | 1.50 | 0.90 | 268.25 | 1.58 | 0.97 | 186.97 |
| 28 Aug | 0.00 | 1.00 | 491.05 | 2.96 | 0.91 | 271.21 | 6.72 | 1.00 | 193.69 |
| 29 Aug | | | 491.05 | 28.23 | 1.00 | 299.44 | | | 193.69 |
| Total | 491.05 | | | 299.44 | | | 193.69 | | |

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| Date | 2007 | | | 2008 | | | 2009 | | |
|--------|------------|------|-----------------|------------|------|-----------------|------------|------|-----------------|
| | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE | Daily CPUE | % | Cumulative CPUE |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 Jul | 1.50 | 0.00 | 1.50 | 2.93 | 0.02 | 2.93 | 0.00 | 0.00 | 0.00 |
| 29 Jul | 0.00 | 0.00 | 1.50 | 1.43 | 0.03 | 4.36 | 0.00 | 0.00 | 0.00 |
| 30 Jul | 0.00 | 0.00 | 1.50 | 1.58 | 0.04 | 5.94 | 0.00 | 0.00 | 0.00 |
| 31 Jul | 1.54 | 0.01 | 3.04 | 0.00 | 0.04 | 5.94 | 0.00 | 0.00 | 0.00 |
| 1 Aug | 0.00 | 0.01 | 3.04 | 1.58 | 0.05 | 7.52 | 0.00 | 0.00 | 0.00 |
| 2 Aug | 0.00 | 0.01 | 3.04 | 0.00 | 0.05 | 7.52 | 2.79 | 0.01 | 2.79 |
| 3 Aug | 1.46 | 0.01 | 4.50 | 3.00 | 0.07 | 10.52 | 0.00 | 0.01 | 2.79 |
| 4 Aug | 3.00 | 0.02 | 7.50 | 0.00 | 0.07 | 10.52 | 1.40 | 0.01 | 4.19 |
| 5 Aug | 8.89 | 0.04 | 16.39 | 1.46 | 0.08 | 11.98 | 14.98 | 0.05 | 19.16 |
| 6 Aug | 17.68 | 0.09 | 34.07 | 0.00 | 0.08 | 11.98 | 5.82 | 0.06 | 24.98 |
| 7 Aug | 44.42 | 0.20 | 78.49 | 0.00 | 0.08 | 11.98 | 1.43 | 0.07 | 26.41 |
| 8 Aug | 55.96 | 0.34 | 134.45 | 4.51 | 0.11 | 16.49 | 17.40 | 0.11 | 43.81 |
| 9 Aug | 1.50 | 0.34 | 135.95 | 2.86 | 0.12 | 19.35 | 50.80 | 0.23 | 94.60 |
| 10 Aug | 0.00 | 0.34 | 135.95 | 1.50 | 0.13 | 20.85 | 67.92 | 0.40 | 162.52 |
| 11 Aug | 1.50 | 0.35 | 137.45 | 0.00 | 0.13 | 20.85 | 16.10 | 0.44 | 178.62 |
| 12 Aug | 6.00 | 0.36 | 143.45 | 1.62 | 0.14 | 22.47 | 7.58 | 0.46 | 186.20 |
| 13 Aug | 91.79 | 0.60 | 235.24 | 3.08 | 0.16 | 25.55 | 7.32 | 0.48 | 193.51 |
| 14 Aug | 27.00 | 0.66 | 262.24 | 11.29 | 0.24 | 36.84 | 3.00 | 0.48 | 196.51 |
| 15 Aug | 11.04 | 0.69 | 273.28 | 3.11 | 0.26 | 39.95 | 0.00 | 0.48 | 196.51 |
| 16 Aug | 12.39 | 0.72 | 285.67 | 0.00 | 0.26 | 39.95 | 6.04 | 0.50 | 202.55 |
| 17 Aug | 10.89 | 0.75 | 296.57 | 0.00 | 0.26 | 39.95 | 3.00 | 0.51 | 205.55 |
| 18 Aug | 3.00 | 0.76 | 299.57 | 7.25 | 0.30 | 47.20 | 3.08 | 0.51 | 208.63 |
| 19 Aug | 4.43 | 0.77 | 303.99 | 0.00 | 0.30 | 47.20 | 45.70 | 0.63 | 254.33 |
| 20 Aug | 17.32 | 0.81 | 321.31 | 7.78 | 0.35 | 54.98 | 66.76 | 0.79 | 321.09 |
| 21 Aug | 6.86 | 0.83 | 328.17 | 16.77 | 0.46 | 71.75 | 20.77 | 0.84 | 341.86 |
| 22 Aug | 1.46 | 0.83 | 329.63 | 24.98 | 0.62 | 96.73 | 17.71 | 0.89 | 359.57 |
| 23 Aug | 3.00 | 0.84 | 332.63 | 11.93 | 0.69 | 108.66 | 5.97 | 0.90 | 365.53 |
| 24 Aug | 1.50 | 0.85 | 334.13 | 11.82 | 0.77 | 120.48 | 3.00 | 0.91 | 368.53 |
| 25 Aug | 20.49 | 0.90 | 354.62 | 9.08 | 0.83 | 129.56 | 11.93 | 0.94 | 380.46 |
| 26 Aug | 10.65 | 0.92 | 365.27 | 5.58 | 0.86 | 135.14 | 10.12 | 0.96 | 390.58 |
| 27 Aug | 3.17 | 0.93 | 368.44 | 7.66 | 0.91 | 142.80 | 10.14 | 0.99 | 400.72 |
| 28 Aug | 26.88 | 1.00 | 395.32 | 13.77 | 1.00 | 156.57 | 4.50 | 1.00 | 405.22 |
| 29 Aug | | | 395.32 | | 1.00 | 156.57 | | 1.00 | 405.22 |
| Total | 395.32 | | | 156.57 | | | 405.22 | | |

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| Date | 2010 ^a | | | 2011 ^b | | | 2012 ^b | | | 2001–2011 Median | | | |
|--------|-------------------|--------------|-----------------|-------------------|--------------|-----------------|-------------------|--------------|-----------------|------------------|--------------|-----------------|--------|
| | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | Daily CPUE | Cumulative % | Cumulative CPUE | |
| 16 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 17 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 Jul | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 Jul | 0.00 | 0.01 | 2.96 | 1.33 | 0.01 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 Jul | 0.00 | 0.01 | 2.96 | 0.00 | 0.01 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 Jul | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 Jul | 0.00 | 0.01 | 7.35 | 0.00 | 0.01 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.50 | |
| 29 Jul | 2.96 | 0.01 | 2.96 | 1.33 | 0.01 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.76 | |
| 30 Jul | 0.00 | 0.01 | 2.96 | 0.00 | 0.01 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.96 | |
| 31 Jul | 4.39 | 0.01 | 7.35 | 0.00 | 0.01 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 4.43 | |
| 1 Aug | 1.46 | 0.02 | 8.82 | 4.02 | 0.02 | 10.38 | 4.15 | 0.01 | 4.15 | 0.00 | 0.01 | 4.43 | |
| 2 Aug | 0.00 | 0.02 | 8.82 | 3.16 | 0.02 | 13.54 | 0.00 | 0.01 | 4.15 | 0.00 | 0.01 | 7.52 | |
| 3 Aug | 0.00 | 0.02 | 8.82 | 0.00 | 0.02 | 13.54 | 0.00 | 0.01 | 4.15 | 1.46 | 0.02 | 10.52 | |
| 4 Aug | 0.00 | 0.02 | 8.82 | 0.02 | 13.54 | 0.00 | 0.01 | 4.15 | 0.00 | 0.02 | 10.52 | | |
| 5 Aug | 0.00 | 0.02 | 8.82 | 2.22 | 0.02 | 15.76 | 3.16 | 0.02 | 7.31 | 1.54 | 0.04 | 16.39 | |
| 6 Aug | 1.30 | 0.02 | 10.12 | 13.54 | 0.04 | 29.30 | 4.32 | 0.04 | 11.63 | 0.00 | 0.06 | 24.98 | |
| 7 Aug | 1.22 | 0.02 | 11.35 | 12.67 | 0.06 | 41.97 | 1.50 | 0.04 | 13.13 | 1.54 | 0.08 | 38.13 | |
| 8 Aug | 1.50 | 0.02 | 12.85 | 4.62 | 0.07 | 46.58 | 7.00 | 0.07 | 20.13 | 4.51 | 0.11 | 43.81 | |
| 9 Aug | 9.41 | 0.04 | 22.25 | 11.31 | 0.09 | 57.89 | 21.16 | 0.14 | 41.30 | 4.50 | 0.19 | 57.79 | |
| 10 Aug | 49.66 | 0.14 | 71.91 | 5.14 | 0.09 | 63.03 | 3.16 | 0.15 | 44.46 | 1.62 | 0.19 | 71.91 | |
| 11 Aug | 47.15 | 0.23 | 119.06 | 0.00 | 0.09 | 63.03 | 1.50 | 0.15 | 45.96 | 9.00 | 0.20 | 94.70 | |
| 12 Aug | 19.61 | 0.26 | 138.67 | 3.43 | 0.10 | 66.46 | 2.79 | 0.16 | 48.75 | 7.58 | 0.24 | 96.20 | |
| 13 Aug | 13.47 | 0.29 | 152.14 | 41.56 | 0.16 | 108.02 | 0.00 | 0.16 | 48.75 | 7.69 | 0.26 | 108.02 | |
| 14 Aug | 2.97 | 0.29 | 155.11 | 42.95 | 0.23 | 150.96 | 4.43 | 0.18 | 53.17 | 11.29 | 0.30 | 150.96 | |
| 15 Aug | | 0.29 | 155.11 | 57 | 0.31 | 207.93 | | 9 | 0.21 | 62.03 | 6.84 | 0.31 | 161.04 |
| 16 Aug | 115.92 | 0.51 | 271.03 | 6.41 | 0.32 | 214.34 | 10.85 | 0.24 | 72.88 | 6.41 | 0.35 | 202.55 | |
| 17 Aug | 54.48 | 0.62 | 325.51 | 5.86 | 0.33 | 220.20 | 62.80 | 0.45 | 135.68 | 10.89 | 0.51 | 205.55 | |
| 18 Aug | 31.59 | 0.68 | 357.10 | 3.00 | 0.34 | 223.20 | 10.29 | 0.48 | 145.96 | 7.25 | 0.51 | 223.20 | |
| 19 Aug | 64.76 | 0.80 | 421.86 | 8.21 | 0.35 | 231.41 | 35.50 | 0.60 | 181.46 | 8.21 | 0.70 | 254.33 | |
| 20 Aug | 26.92 | 0.85 | 448.77 | 193.84 | 0.64 | 425.25 | 65.61 | 0.82 | 247.07 | 19.74 | 0.81 | 321.09 | |
| 21 Aug | 12.08 | 0.87 | 460.85 | 194.91 | 0.93 | 620.16 | 2.00 | 0.83 | 249.07 | 12.08 | 0.84 | 341.86 | |
| 22 Aug | 14.33 | 0.90 | 475.18 | 17.69 | 0.96 | 637.85 | 7.36 | 0.85 | 256.43 | 17.71 | 0.89 | 349.31 | |
| 23 Aug | 29.86 | 0.95 | 505.04 | 8.97 | 0.97 | 646.82 | 15.38 | 0.90 | 271.81 | 6.08 | 0.90 | 350.81 | |
| 24 Aug | 16.55 | 0.99 | 521.59 | 4.50 | 0.98 | 651.32 | 2.93 | 0.91 | 274.74 | 4.58 | 0.91 | 350.81 | |
| 25 Aug | 7.39 | 1.00 | 528.98 | 0.00 | 0.98 | 651.32 | 0.00 | 0.91 | 274.74 | 7.39 | 0.94 | 371.30 | |
| 26 Aug | 0.00 | 1.00 | 528.98 | 2.93 | 0.98 | 654.25 | 3.08 | 0.92 | 277.82 | 5.58 | 0.96 | 387.02 | |
| 27 Aug | 0.00 | 1.00 | 528.98 | 11.62 | 1.00 | 665.86 | 14.78 | 0.97 | 292.60 | 2.37 | 0.99 | 400.72 | |
| 28 Aug | 0.00 | 1.00 | 528.98 | 0.00 | 1.00 | 665.86 | 8.45 | 1.00 | 301.05 | 3.73 | 1.00 | 405.22 | |
| 29 Aug | Total | 528.98 | | 665.86 | | | 301.05 | | | 405.22 | | | |

-continued-

Appendix D6.–Page 5 of 5.

Note: The box indicates the first quartile to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. Dark bands indicate the historical median quartile passage dates. Differences in the termination dates of the project confounds computation of the cumulative percent and median as a convenience; the historical daily cumulative and median was computed by assuming that 100% of the run was completed on the date of project termination.

- ^a The Lower Yukon test fishery operated through 15 September in 2010. Percent and quartiles reflect CPUE through 28 August for comparison to past years.
- ^b The Lower Yukon test fishery operated through 20 September in 2011 and 2012. Percent and quartiles reflect CPUE through 28 August for comparison to past years.